The 2019 Survey of American Science Teachers

Public Use Dataset Codebook

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2019 Survey of American Science Teachers: materials and methods

Background

The 2019 Survey of American Science Teachers is the third of a series of three scientific surveys of science teachers. The first, the 2007 National Survey of High School Biology Teachers, was funded by the National Science Foundation and focused on high school biology teachers and their approach to the teaching of evolutionary biology. The second, the 2014–2015 National Survey of American Science Teachers, was conducted by Penn State with the National Center for Science Education and focused on the teaching of climate change. This second study added a sample of middle school teachers and sampled high school teachers of all four core subjects: earth science, biology, chemistry, and physics. The 2019 Survey of American Science Teachers, the third study in the series, retains a focus on high school biology teachers (from the 2007 survey) and middle school science teachers (from the 2014–2015 survey).

In order to allow valid comparisons to prior surveys, the most recent effort replicated many of the questions and adhered closely to the study design from previous waves. As a result, when examining the data from identical questions, it is possible to compare this wave's middle school sample to the middle school sample from 2014–2015, and to compare the high school biology sample to the 2007 survey and to the biology subgroup within the 2014–2015 high school sample.

Sampling

The 2019 Survey of American Science Teachers employs two stratified probability samples of science educators. The first represents the population of all science teachers in public middle or junior high schools in the United States. The second represents all biology or life science teachers in public high schools in the United States.

There is no comprehensive list of such educators. However, a direct mail marketing company, Market Data Retrieval (MDR, a division of Dun and Bradstreet) maintains and updates a database of 3.9 million K–12 educators.

MDR selected probability samples conforming to our specifications. Specifically, MDR first identified eligible schools (public middle and junior high schools, and public high schools) and then selected all middle school teachers with the job title "science teacher" and all high school teachers with the job title "biology teacher" or "life science teacher."

The middle school universe contained 55,001 teachers with full name, school name and school address. From these, teachers were selected with probability 0.0455 independently from each

of 151 strata defined by urbanism (city, suburb, all others) and state, with the District of Columbia being its own stratum. This resulted in a sample of 2511 middle school science teachers.

The high school biology universe contained 30,847 teachers with full name, school name and school address. From these, teachers were selected with probability 0.0810 independently from each of 151 strata defined by urbanism (city, suburb, all others) and state, with the District of Columbia being its own stratum. This resulted in a sample of 2503 high school science teachers.

Of the 5014 elements in the two samples, MDR provided current email addresses for 4150, or 82.8%.

Questionnaire design

The questionnaires for this survey included questions employed in the 2007 National Survey of High School Biology Teachers (which focused on the teaching of evolution), and the 2014–2015 National Survey of American Science Teachers (which focused on the teaching of climate change). A few new questions were developed to measure teachers' perceptions of local public opinion.

The survey was initially written for pencil/paper administration and—when finalized—programmed so it could be administered on the Qualtrics online survey platform.

Fieldwork

The survey design was a "push to mail" strategy in which all 5014 respondents received an advance pre-notification letter, a survey packet with incentive ($2 in cash) and a postage paid return envelope, two reminder postcards and a replacement survey packet. Non-respondents for whom we had an email address then received an email invitation to complete the survey online.

This included 3161 non-respondents with emails supplied by MDR, and an additional 352 collected during the non-response audit.

Non-respondents then received two additional email reminders. Field dates are summarized in Table 1.

Table 1. Field Dates

Main pencil/paper study

February 15, 2019:	5015 pre-notification letters sent
February 22, 2019:	5015 survey packets with consent and pre-incentive
March 1, 2019:	5015 reminder postcards sent
March 18, 2019:	4540 replacement packets sent
March 25, 2019:	4132 reminder postcards sent
May 24, 2019:	Mail survey data collection closed

Qualtrics Follow-up

Main follow-up file (emails provided by MDR)

April 17, 2019:	3161 emails sent
April 23, 2019:	2026 emails sent
April 29, 2019:	2883 emails sent
May 2, 2019:	Last recorded survey
May 11, 2019:	Survey closed

Supplemental follow-up file (emails identified in audit)

April 23, 2019:	352 emails sent
April 25, 2019:	335 emails sent
May 1, 2019:	314 emails sent
May 2, 2019:	Last recorded survey
May 11, 2019:	Survey closed

Non-response audit

Beginning on April 11, 2019, after most paper surveys had been received and logged, we identified a subsample of 700 non-respondents, and launched a detailed non-response audit on this group. The primary goal was to confirm or disconfirm their eligibility. From the time we began the audit of non-respondents, we received questionnaires from 62 of these teachers. They were removed from the audit, leaving 638 audited non-respondents.

For each person, we first searched for their school, and sought to locate a current school staff directory. If no directory was found, we searched all classroom web sites at the school, and searched the school web site for the teacher's full name and last name. If we found a match for the teacher anywhere on the school web site, that non-respondent was confirmed as eligible.

In some cases, we found a teacher in the same subject and same first name, but with a different last name. If we were able to absolutely confirm that teacher had recently changed names (e.g., their email matched the name in our list) that teacher was confirmed as eligible.

If we did not find the teacher, we did two broader web searches. First, a search with the teacher's full name and the keyword "science." In some instances, this brought up results indicating that the teacher had changed jobs or retired (e.g., information on the former teacher's LinkedIn page). These were confirmed as ineligible. We recorded the following outcomes:

Teacher confirmed as eligible—listed on school website.

Teacher confirmed as eligible—classroom web pages identified.

Teacher confirmed as eligible—other (e.g., listed in recent news story).

Confirmed ineligible—school has current staff directory, and teacher not listed.

Confirmed ineligible—other (e.g., teacher identified as instructing in a different subject).

Unable to determine—school does not have a staff directory.

Unable to determine—school does not have functional website.

The final results of the audit are summarized in Table 2.

Table 2. Summary of non-response audit

	Number	Percent
Confirmed Eligible	420	65.8%
Unknown Eligibility	61	9.6%
Confirmed Ineligible	157	24.6%
Total	638	100.0%

Thus, of all non-respondents (and assuming ¼ of the unknowns are ineligible) we estimate that 72% are eligible. This is the basis for calculating the "e" component in the response rate (American Association for Public Opinion Research 2006).

Dispositions and response rates

Every individual on the initial mailing list of 5014 names and addresses was assigned a disposition code.

A survey was considered complete if the respondent answered questions from at least two of the following three question groups: Question #1, which asked teachers how many class hours they devoted to each of nine topics (appearing on the second page of the paper questionnaire); a group of attitude questions appearing on pages 7–8 of the written questionnaire; and a group of demographic and background variables on pages 9 and 11 of the paper questionnaire.

A survey was considered partially complete if the respondent answered at least how many class hours they devoted to each of nine topics (appearing on the second page of the paper questionnaire). A summary of the dispositions appears in Table 3.

Table 3. Final dispositions of combined middle and high school samples

	Number	Percent
11 Complete	1427	28.5%
12 Partial	72	1.4%
21 Refused – eligible	3	0.1%
22 Survey returned blank – eligibility unknown	12	0.2%
23 Web survey started – did not complete Q1	59	1.2%
31 Not returned – eligibility unknown	2817	56.2%
32 Not returned – confirmed eligible	420	8.4%
33 Undeliverable – eligibility unknown	33	0.7%
41 Self report ineligible	14	0.3%
42 Not eligible – from audit	157	3.1%
Total	5014	100.0%

Response rates

We utilize the response rate definitions published by the American Association for Public Opinion Research (2006). These require an estimate of the percentage of all non-respondents who are eligible or non-eligible (e.g., due to retirement) to complete the survey. This quantity, referred to as e, was estimated from a detailed audit of 638 non-respondents. Based on these dispositions we calculate the response rate (AAPOR response rate formula #4) to be 37%. This is interpreted as the percentage of all eligible respondents who submitted a usable questionnaire (complete or partially complete). Respondents who returned questionnaires that are blank or fail to qualify as partial, are considered non-respondents. The details of the response rate calculation are reported in Table 4.

Table 4. Calculation of Response Rate

	Number
Total mailed	5014
Total useable surveys (complete + partial)	1499
Confirmed/assumed eligible among non-returned (codes 21+32)	423
Confirmed ineligible (41 + 42)	171
Total non-response of unknown eligibility (22+23+31+33)	2920
"*e*" - Estimated % eligible among non-returns of unknown eligibility*	73%
Estimated eligible (*e* × (22+23+31+33))+(21+32)	2555
RR4 (completes+partials)/(completes+partials+estimated eligible)	**37.0%**

Response rates by teacher and school characteristics

Response rates can be broken down and estimated for different groups, providing that there are data for non-respondents as well as respondents. As a result, we cannot test for differences based on questionnaire items (we lack information on seniority, degrees earned, religiosity, and so on for all non-respondents).

We can, however, utilize "frame" variables and those provided by the direct mail vendor MDR. Table 5 reports on eight such comparisons.

Table 5. Estimated response rates, by characteristics known for respondents and non-respondents

	Estimated Response Rate (%)	N		Estimated Response Rate (%)	N
Sample			**Email Availability**		
Middle School Science	34.0	2398	Supplied by Vendor	38.6	4137
High School Biology	40.4	2445	Not Supplied	30.4	706
Teacher Gender			**Public School Type**		
Female	37.6	2740	Conventional	37.3	4776
Gender Unknown	31.1	548	Charter	30.7	51
Male	38.7	1555			
Black Student Share of Enrollment			**Hispanic Student Share of Enrollment**		
Under 5%	41.1	2368	Under 5%	41.5	1320
5% to 15%	36.6	1106	5% to 15%	42.2	1375
15% to 50%	30.7	991	15% to 50%	32.0	1340
Above 50%	32.9	336	Above 50%	30.2	807
Free Lunch Eligible			**Urbanism**		
Under 5%	35.8	524	Large City	30.0	597
5% to 15%	45.2	553	Other City	39.6	659
15% to 50%	39.6	2251	Suburb of Large City	37.4	1707
Above 50%	31.5	1474	Other Suburb	35.8	276
			Town or Rural	39.3	1578

Teacher characteristics. The response rate was somewhat lower for middle school teachers (34%) compared to high school biology teachers (40%). Using the salutations (Mr., Ms., Miss, Ms., etc.) provided in the direct mail file, we classified teachers as female, male, or gender

unknown. The latter group included a small number of teachers with salutations of "Dr." or "Coach." However, the large majority had gender-ambiguous first names such as Tracy, Jamie, Kim or Chris. Men (39%) and women (38%) did not differ significantly, but we had a lower return among those whose communications could not be personalized (Dear Kim Smith rather than Dear Mr. Smith, for example).[1]

The value of conducting an email follow-up to the pencil/paper survey is evident in the 39% response rate for those teachers with a valid email supplied by the vendor (those lacking an email had a 30% response rate). Note that some of these additional returns were paper surveys returned only after teachers received an email announcing the availability of a web survey.

School type. We had a somewhat lower response rate from teachers at public charter schools (31%). Note, however, that because charters still represent a tiny slice of the public school market, raising their response rate to the overall average would have only increased the number of surveys completed by charter school teachers by three or four.

School demographics. As in previous surveys, we find lower response rates from teachers working in schools with medium or large minority populations. Schools whose student bodies are more than 15% African American or more than 15% Hispanic, or more than 50% free lunch eligible, all had response rates between 30 and 33%.

Urbanism. Finally, response rates did not differ substantially by urbanism except for schools in central cities with populations exceeding 250,000. Teachers in these large school systems responded at a 30% rate.

Overall, we uncovered systematic differences. By and large these are modest in magnitude and do not introduce major distortions in the data. For example, teachers in large central city school systems constituted 12% of the teachers we recruited, and 10% of the final data set. However, since these individual differences might be additive (e.g., central city schools with many minority and school lunch-eligible students), we estimated a propensity model to assess the total impact of all factors simultaneously.

Table 6 reports a logistic regression model in which the dependent variable is the submission of a usable survey (scored 1, all other dispositions scored 0, with confirmed ineligible respondents dropped from the analysis).

[1] Extrapolating, had we taken the time to track down the gender of all 548 teachers through web searches, LinkedIn, etc., we would have gotten an additional 37 completed surveys.

Table 6. Multivariate logistic regression model predicting likelihood of completing survey

	Logit	(std err)		Odds Ratio
High school (compared to middle)	0.231	(0.065)	*	1.26
Email supplied by vendor	0.265	(0.092)	*	1.30
Charter school	0.054	(0.338)		1.06
Gender unknown (contrast group)				
Female	0.237	(0.108)	*	1.27
Male	0.230	(0.114)	*	1.26
Pct of students who are Black				
5% to 15%	-0.133	(0.083)		0.88
15% to 50%	-0.365	(0.093)	*	0.69
Above 50%	-0.310	(0.151)	*	0.73
Pct of students who are Hispanic				
5% to 15%	0.059	(0.085)		1.06
15% to 50%	-0.343	(0.096)	*	0.71
Above 50%	-0.397	(0.128)	*	0.67
Pct of students free lunch eligible				
5% to 15%	0.254	(0.135)		1.29
15% to 50%	0.194	(0.111)		1.21
Above 50%	0.098	(0.130)		1.10
Urbanism (baseline is large city)				
Other City	0.276	(0.131)	*	1.32
Suburb of Large City	0.104	(0.115)		1.11
Other Suburb	-0.037	(0.172)		0.96
Town or Rural	0.051	(0.124)		1.05
Student Teacher Ratio	0.003	(0.007)		1.00
Constant	-1.334	(0.245)	*	0.26
N	4794			

* $p<0.05$

This confirms most of the observational difference reported in Table 5. The odds ratio column is more intuitive and shows that the odds of returning a usable survey was 26% higher in the high school sample, 30% higher for teachers with a valid email on file, and about 26% higher when we used a gender-based salutation. Teachers at schools with sizable Black and Hispanic presence in the student body are also underrepresented (odds ratios below 1). However, after controlling for student body composition, the effects of school lunch eligibility and urbanism are diminished.

Propensity scores. We use this model to calculate the probability to respond for all original members of the sample. That allows us to calculate the response propensity for all respondents. Those whose characteristics make them unlikely to respond must, therefore, speak on behalf of more non-respondents. We use the inverse of the propensity as a second-stage weighting adjustment.

Weighting

Analysis weights were constructed in a two-stage process. A base weight adjusts for possible under-coverage by the sample supplier and the non-response adjustment balances the sample based on characteristics that are predictive of non-response (e.g., student body composition).

Base weight. MDR claims to have contact information for approximately 85% of all K–12 teachers, but that coverage rate can vary by grade, subject, and state.

We assume that science teachers comprise the same percentage of all middle school teachers in each state, and we assume that biology teachers constitute the same share of high school faculty in each state. It follows that the distribution across states in the MDR data base should be proportional to the number of teachers in each state. If not, adjustment is necessary to make the sample fully representative.

We therefore constructed the following two ratios:

$$\frac{\begin{array}{c}Number\ of\ middle\ school\ teachers\ as\ counted \\ by\ the\ National\ Center\ for\ Education\ Statistics\end{array}}{\begin{array}{c}Number\ of\ middle\ school\ teachers\ in\ MDR \\ direct\ mail\ data\ base\end{array}}$$

and

$$\frac{\begin{array}{c}Number\ of\ high\ school\ teachers\ as\ counted \\ by\ the\ National\ Center\ for\ Education\ Statistics\end{array}}{\begin{array}{c}Number\ of\ biology\ teachers\ in\ MDR \\ direct\ mail\ data\ base\end{array}}$$

These were each standardized to have a mean of 1.0 so that ratios above 1 indicate relative under-coverage by MDR.

Non-response calibration. The second stage weight is based on the logistic regression model reported in Table 6. From this model, we calculated the probability of completing the survey (defined as completing a usable survey, classified as “complete” or “partial” in Table 3.

The second stage non-response adjustment is simply the inverse of the response propensity, $1/\pi$.

Analysis weight (designated as `final_weight` in the data set) is the product of the first stage coverage adjustment and the second stage non-response adjustment, standardized so it has a mean of 1. The weights range from 0.24 to 3.23, with a standard deviation of 0.35. Ninety percent of the cases have weights between 0.55 and 1.60, indicating that weighting will have only a small impact on statistical results in comparison to unweighted analyses.

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psu_seq_num **PSU ID**

Type: Numeric (**double**)

Range: [**10004,22504**] Units: **1**
Unique values: **1,499** Missing .: **0/1,499**

Mean: **16701.1**
Std. dev.: **5024.31**

Percentiles:	10%	25%	50%	75%	90%
	10536	**11349**	**20221**	**21290**	**22086**

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st_fip **State**

Type: Numeric (**byte**)
Label: **fiplabel**

Range: [**1,56**] Units: **1**
Unique values: **51** Missing .: **0/1,499**

Examples: **13** Georgia
25 Massachusetts
37 North Carolina
47 Tennessee

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st2 **State postal code**

Type: String (**str2**)

Unique values: **51** Missing "": **0/1,499**

Examples: **"GA"**
"ME"
"NY"
"TN"

---

final_weight **Analysis weight**

Type: Numeric (**float**)

Range: [**.2443997,3.2344945**] Units: **1.000e-08**
Unique values: **1,487** Missing .: **12/1,499**

Mean: **.963186**
Std. dev.: **.347151**

Percentiles:	10%	25%	50%	75%	90%
	.62313	**.747618**	**.89314**	**1.10392**	**1.34974**

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level

Type: Numeric (**float**)
Label: **lv**

Range: [**1**,**2**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	678	**1**	Middle school
	821	**2**	High school

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paper **From paper or web**

Type: Numeric (**float**)
Label: **ppr**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	281	**0**	Web completion
	1,218	**1**	Paper survey returned

---

primary_mid_class **Class with biggest enrollment**

Type: Numeric (**float**)
Label: **midclass**

Range: [**1**,**6**] Units: **1**
Unique values: **6** Missing .: **840**/**1,499**

Tabulation:	Freq.	Numeric	Label
	154	**1**	Life Science
	71	**2**	Earth Science
	68	**3**	Physical Science
	271	**4**	Integrated Science
	18	**5**	Introductory Biology
	77	**6**	Other
	840	**.**	

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primary_mid_class_oth **Class with biggest enrollment**

Type: String (**strL**)

Unique values: **59** Missing "": **1,158**/**1,499**

Examples: ""
""
""
""

Warning: Variable has leading, embedded, and trailing blanks.

primary_hs_class — **Class with biggest enrollment**

```
                Type: Numeric (float)
               Label: hsclass

               Range: [1,6]                         Units: 1
      Unique values: 6                          Missing .: 781/1,499

          Tabulation: Freq.   Numeric  Label
                        412         1  Intro. Biology or Life Science
                         63         2  Adv. Biology or Life Science
                         65         3  AP or IB Biology
                         12         4  Advanced Topics (e.g.,
                                       Genetics)
                         45         5  Environmental Science (inc. AP)
                        121         6  Other
                        781         .
```

primary_hs_class_oth — **Class with biggest enrollment**

```
                Type: String (strL)

      Unique values: 94                         Missing "": 1,104/1,499

           Examples: ""
                     ""
                     ""
                     ""

            Warning: Variable has leading, embedded, and trailing blanks.
```

q1_cellbio — **Hrs devoted to cell biology**

```
                Type: Numeric (double)
               Label: hours

               Range: [1,7]                         Units: 1
      Unique values: 7                          Missing .: 47/1,499

          Tabulation: Freq.   Numeric  Label
                        326         1  Not covered
                         64         2  1-2 hours
                        126         3  3-5 hours
                        191         4  6-10 hours
                        210         5  11-15 hours
                        193         6  15-20 hours
                        342         7  20 or more hours
                         47         .
```

q1_ecology — **Hrs devoted to ecology**

```
                Type: Numeric (double)
               Label: hours

               Range: [1,7]                         Units: 1
      Unique values: 7                          Missing .: 89/1,499
```

Tabulation:	Freq.	Numeric	Label
	238	**1**	Not covered
	72	**2**	1-2 hours
	151	**3**	3-5 hours
	235	**4**	6-10 hours
	227	**5**	11-15 hours
	216	**6**	15-20 hours
	271	**7**	20 or more hours
	89	**.**	

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q1_humanhealth — **Hrs devoted to human health**

Type: Numeric (**double**)
Label: **hours**

Range: [**1**,**7**] Units: **1**
Unique values: **7** Missing .: **76**/**1,499**

Tabulation:	Freq.	Numeric	Label
	371	**1**	Not covered
	228	**2**	1-2 hours
	336	**3**	3-5 hours
	211	**4**	6-10 hours
	109	**5**	11-15 hours
	76	**6**	15-20 hours
	92	**7**	20 or more hours
	76	**.**	

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q1_humanevo — **Hrs devoted to human evolution**

Type: Numeric (**double**)
Label: **hours**

Range: [**1**,**7**] Units: **1**
Unique values: **7** Missing .: **62**/**1,499**

Tabulation:	Freq.	Numeric	Label
	532	**1**	Not covered
	325	**2**	1-2 hours
	255	**3**	3-5 hours
	148	**4**	6-10 hours
	67	**5**	11-15 hours
	61	**6**	15-20 hours
	49	**7**	20 or more hours
	62	**.**	

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q1_generalevo — **Hrs devoted to general evolutionary processes**

Type: Numeric (**double**)
Label: **hours**

Range: [**1**,**7**] Units: **1**
Unique values: **7** Missing .: **65**/**1,499**

Tabulation:	Freq.	Numeric	Label
	324	**1**	Not covered
	162	**2**	1-2 hours
	216	**3**	3-5 hours
	262	**4**	6-10 hours
	183	**5**	11-15 hours
	151	**6**	15-20 hours
	136	**7**	20 or more hours
	65	**.**	

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q1_globalwarm — **Hrs devoted to recent global warming**

Type: Numeric (**double**)
Label: **hours**

Range: [**1**,**7**] — Units: **1**
Unique values: **7** — Missing .: **57**/**1,499**

Tabulation:	Freq.	Numeric	Label
	277	**1**	Not covered
	438	**2**	1-2 hours
	370	**3**	3-5 hours
	170	**4**	6-10 hours
	74	**5**	11-15 hours
	59	**6**	15-20 hours
	54	**7**	20 or more hours
	57	**.**	

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q1_pollution — **Hrs devoted to pollution and human impact**

Type: Numeric (**double**)
Label: **hours**

Range: [**1**,**7**] — Units: **1**
Unique values: **7** — Missing .: **50**/**1,499**

Tabulation:	Freq.	Numeric	Label
	174	**1**	Not covered
	331	**2**	1-2 hours
	390	**3**	3-5 hours
	250	**4**	6-10 hours
	126	**5**	11-15 hours
	89	**6**	15-20 hours
	89	**7**	20 or more hours
	50	**.**	

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q1_idcreation — **Hrs devoted to intelligent design or creationism**

Type: Numeric (**double**)
Label: **hours**

Range: [**1**,**7**] — Units: **1**
Unique values: **7** — Missing .: **64**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,239	**1**	Not covered
	108	**2**	1-2 hours
	39	**3**	3-5 hours
	20	**4**	6-10 hours
	15	**5**	11-15 hours
	8	**6**	15-20 hours
	6	**7**	20 or more hours
	64	**.**	

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q1_biodiversity — **Hrs devoted to biodiversity**

Type: Numeric (**double**)
Label: **hours**

Range: [**1**,**7**] — Units: **1**
Unique values: **7** — Missing .: **41**/**1,499**

Tabulation:	Freq.	Numeric	Label
	215	**1**	Not covered
	219	**2**	1-2 hours
	345	**3**	3-5 hours
	300	**4**	6-10 hours
	159	**5**	11-15 hours
	102	**6**	15-20 hours
	118	**7**	20 or more hours
	41	**.**	

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q2_evo_consensus — **Emphasize consensus that evolution is fact**

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] — Units: **1**
Unique values: **5** — Missing .: **38**/**1,499**

Tabulation:	Freq.	Numeric	Label
	552	**1**	Strongly agree
	450	**2**	Agree
	128	**3**	Disagree
	58	**4**	Strongly disagree
	273	**5**	Not applicable
	38	**.**	

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q2_evo_intelligentdesign — **Emphasize intelligent design is valid alternative**

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] — Units: **1**
Unique values: **5** — Missing .: **54**/**1,499**

Tabulation:	Freq.	Numeric	Label
	42	**1**	Strongly agree
	186	**2**	Agree
	210	**3**	Disagree
	488	**4**	Strongly disagree
	519	**5**	Not applicable
	54	**.**	

---

q2_evo_theme — **Evolution is unifying theme for course**

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **42**/**1,499**

Tabulation:	Freq.	Numeric	Label
	301	**1**	Strongly agree
	452	**2**	Agree
	261	**3**	Disagree
	85	**4**	Strongly disagree
	358	**5**	Not applicable
	42	**.**	

---

q2_evo_idvalidalt — **Emphasize scientists view creationism or ID as valid alts**

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **49**/**1,499**

Tabulation:	Freq.	Numeric	Label
	33	**1**	Strongly agree
	183	**2**	Agree
	244	**3**	Disagree
	462	**4**	Strongly disagree
	528	**5**	Not applicable
	49	**.**	

---

q2_evo_noevolution — **Believe good course possible without mentioning evolution**

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **37**/**1,499**

Tabulation:	Freq.	Numeric	Label
	63	**1**	Strongly agree
	119	**2**	Agree
	342	**3**	Disagree
	669	**4**	Strongly disagree
	269	**5**	Not applicable
	37	**.**	

q2_evo_standards **Choices of topics constrained by state standards**

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **42**/**1,499**

Tabulation: Freq.	Numeric	Label
368	**1**	Strongly agree
481	**2**	Agree
273	**3**	Disagree
130	**4**	Strongly disagree
205	**5**	Not applicable
42	**.**	

q3_equaltime **Give equal time to perspectives that doubt evolution**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **114**/**1,499**

Tabulation: Freq.	Numeric	Label
252	**1**	I have done this
508	**2**	I have not done this, but I might if the situation were to arise
625	**3**	I would not do this
114	**.**	

q3_discussion **Allow students to discuss evol without taking a position**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **115**/**1,499**

Tabulation: Freq.	Numeric	Label
580	**1**	I have done this
494	**2**	I have not done this, but I might if the situation were to arise
310	**3**	I would not do this
115	**.**	

q3_naturescience **Discuss evol controversy in relation to nature of science**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **120**/**1,499**

Tabulation:	Freq.	Numeric	Label
	789	**1**	I have done this
	442	**2**	I have not done this, but I might if the situation were to arise
	148	**3**	I would not do this
	120	**.**	

---

q3_nodebate — **Discourage evol debate bc doubts are not scientific**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **118**/**1,499**

Tabulation:	Freq.	Numeric	Label
	170	**1**	I have done this
	260	**2**	I have not done this, but I might if the situation were to arise
	951	**3**	I would not do this
	118	**.**	

---

q3_meetstudents — **Offer to meet with students (evolution)**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **123**/**1,499**

Tabulation:	Freq.	Numeric	Label
	528	**1**	I have done this
	566	**2**	I have not done this, but I might if the situation were to arise
	282	**3**	I would not do this
	123	**.**	

---

q3_parentletter — **Send a letter to parents (evolution)**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **128**/**1,499**

Tabulation:	Freq.	Numeric	Label
	93	**1**	I have done this
	662	**2**	I have not done this, but I might if the situation were to arise
	616	**3**	I would not do this
	128	**.**	

q3_optout — **Allow students to opt out (evolution)**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **123**/**1,499**

Tabulation: Freq.	Numeric	Label
104	**1**	I have done this
442	**2**	I have not done this, but I might if the situation were to arise
830	**3**	I would not do this
123	**.**	

q3_standards — **Adhere to standards and disallow discussion (evolution)**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **126**/**1,499**

Tabulation: Freq.	Numeric	Label
230	**1**	I have done this
342	**2**	I have not done this, but I might if the situation were to arise
801	**3**	I would not do this
126	**.**	

q3_avoiddiscussion — **Avoid all discussion (evolution)**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **119**/**1,499**

Tabulation: Freq.	Numeric	Label
39	**1**	I have done this
66	**2**	I have not done this, but I might if the situation were to arise
1,275	**3**	I would not do this
119	**.**	

q4_naturescience — **Priority to the nature of sceince**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **121**/**1,499**

Tabulation:	Freq.	Numeric	Label
	859	**1**	A high priority
	417	**2**	A medium priority
	44	**3**	It is not necessary to cover this topic
	2	**4**	This topic should not be covered
	56	**5**	No opinion
	121	**.**	

---

q4_sexualselection — **Priority to sexual selection**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **154**/**1,499**

Tabulation:	Freq.	Numeric	Label
	368	**1**	A high priority
	686	**2**	A medium priority
	142	**3**	It is not necessary to cover this topic
	22	**4**	This topic should not be covered
	127	**5**	No opinion
	154	**.**	

---

q4_randomevol — **Priority to random nature of evolution**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **157**/**1,499**

Tabulation:	Freq.	Numeric	Label
	430	**1**	A high priority
	591	**2**	A medium priority
	96	**3**	It is not necessary to cover this topic
	78	**4**	This topic should not be covered
	147	**5**	No opinion
	157	**.**	

---

q4_commonancestry — **Priority to common ancestry of life**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **127**/**1,499**

Tabulation:	Freq.	Numeric	Label
	721	**1**	A high priority
	496	**2**	A medium priority
	72	**3**	It is not necessary to cover this topic
	10	**4**	This topic should not be covered
	73	**5**	No opinion
	127	**.**	

---

q4_geneticdrift — **Priority to genetric drift and gene flow**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **121**/**1,499**

Tabulation:	Freq.	Numeric	Label
	540	**1**	A high priority
	651	**2**	A medium priority
	85	**3**	It is not necessary to cover this topic
	7	**4**	This topic should not be covered
	95	**5**	No opinion
	121	**.**	

---

q4_embryology — **Priority to embryology**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **151**/**1,499**

Tabulation:	Freq.	Numeric	Label
	297	**1**	A high priority
	734	**2**	A medium priority
	181	**3**	It is not necessary to cover this topic
	9	**4**	This topic should not be covered
	127	**5**	No opinion
	151	**.**	

---

q4_naturalselection
Priority to natural selection's ability to explain all traits

---

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **147**/**1,499**

Tabulation:	Freq.	Numeric	Label
	770	**1**	A high priority
	440	**2**	A medium priority
	40	**3**	It is not necessary to cover this topic
	9	**4**	This topic should not be covered
	93	**5**	No opinion
	147	**.**	

---

q4_originlife — **Priority to scientific research on origins**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **126**/**1,499**

Tabulation:	Freq.	Numeric	Label
	458	**1**	A high priority
	652	**2**	A medium priority
	170	**3**	It is not necessary to cover this topic
	10	**4**	This topic should not be covered
	83	**5**	No opinion
	126	**.**	

---

q4_sharedancestry — **Priority to shared ancestry of humans with rest of life**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **131**/**1,499**

Tabulation:	Freq.	Numeric	Label
	515	**1**	A high priority
	599	**2**	A medium priority
	145	**3**	It is not necessary to cover this topic
	23	**4**	This topic should not be covered
	86	**5**	No opinion
	131	**.**	

---

q4_biblicalpers — **Priority to Biblical perspectives (evolution)**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **123**/**1,499**

Tabulation: Freq.	Numeric	Label
44	1	A high priority
123	2	A medium priority
368	3	It is not necessary to cover this topic
676	4	This topic should not be covered
165	5	No opinion
123	.	

---

q4_perfection — **Priority to direction of evol to progress/perfection**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **130**/**1,499**

Tabulation: Freq.	Numeric	Label
108	1	A high priority
365	2	A medium priority
346	3	It is not necessary to cover this topic
323	4	This topic should not be covered
227	5	No opinion
130	.	

---

q6_globaltemp — **Emphasize global temp has risen in last 150 yrs**

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **35**/**1,499**

Tabulation: Freq.	Numeric	Label
685	1	Strongly agree
489	2	Agree
45	3	Disagree
17	4	Strongly disagree
228	5	Not applicable
35	.	

---

q6_naturalcycles — **Emphasize natural cycles produce warming**

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **35**/**1,499**

Tabulation:	Freq.	Numeric	Label
	485	**1**	Strongly agree
	684	**2**	Agree
	69	**3**	Disagree
	9	**4**	Strongly disagree
	217	**5**	Not applicable
	35	**.**	

---

q6_sciconsensus **Emphasize consensus that global warming caused by humans**

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **38**/**1,499**

Tabulation:	Freq.	Numeric	Label
	676	**1**	Strongly agree
	462	**2**	Agree
	99	**3**	Disagree
	19	**4**	Strongly disagree
	205	**5**	Not applicable
	38	**.**	

---

q6_naturalcauses **Emphasize many scientists believe temp increases natural**

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **44**/**1,499**

Tabulation:	Freq.	Numeric	Label
	81	**1**	Strongly agree
	386	**2**	Agree
	484	**3**	Disagree
	274	**4**	Strongly disagree
	230	**5**	Not applicable
	44	**.**	

---

q6_debate **Encourage students to debate causes of global warming**

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **38**/**1,499**

Tabulation:	Freq.	Numeric	Label
	327	**1**	Strongly agree
	638	**2**	Agree
	170	**3**	Disagree
	61	**4**	Strongly disagree
	265	**5**	Not applicable
	38	**.**	

q6_ownconclusions Encourage own conclusions about causes of global warming

Type: Numeric (**double**)
Label: **agree**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **40**/**1,499**

Tabulation:	Freq.	Numeric	Label
	296	**1**	Strongly agree
	632	**2**	Agree
	213	**3**	Disagree
	83	**4**	Strongly disagree
	235	**5**	Not applicable
	40	**.**	

q7_equaltime Give equal time to doubt humans cause climate change

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **127**/**1,499**

Tabulation:	Freq.	Numeric	Label
	467	**1**	I have done this
	535	**2**	I have not done this, but I might if the situation were to arise
	370	**3**	I would not do this
	127	**.**	

q7_discussion Allow students to discuss climate change without taking a position

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **127**/**1,499**

Tabulation:	Freq.	Numeric	Label
	699	**1**	I have done this
	449	**2**	I have not done this, but I might if the situation were to arise
	224	**3**	I would not do this
	127	**.**	

q7_naturescience Discuss climate change controv in relation to nature of science

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **136**/**1,499**

Tabulation:	Freq.	Numeric	Label
	905	**1**	I have done this
	395	**2**	I have not done this, but I might if the situation were to arise
	63	**3**	I would not do this
	136	**.**	

---

q7_nodebate Discourage debate on climate change bc doubts not scientific

---

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **132**/**1,499**

Tabulation:	Freq.	Numeric	Label
	129	**1**	I have done this
	255	**2**	I have not done this, but I might if the situation were to arise
	983	**3**	I would not do this
	132	**.**	

---

q7_meetstudents Meet with students after class (climate change)

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **131**/**1,499**

Tabulation:	Freq.	Numeric	Label
	385	**1**	I have done this
	693	**2**	I have not done this, but I might if the situation were to arise
	290	**3**	I would not do this
	131	**.**	

---

q7_parentletter Send a letter to parents (climate change)

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **134**/**1,499**

Tabulation:	Freq.	Numeric	Label
	26	**1**	I have done this
	609	**2**	I have not done this, but I might if the situation were to arise
	730	**3**	I would not do this
	134	**.**	

q7_optout — **Allow students to opt out (climate change)**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **133**/**1,499**

Tabulation: Freq.	Numeric	Label
34	**1**	I have done this
321	**2**	I have not done this, but I might if the situation were to arise
1,011	**3**	I would not do this
133	**.**	

q7_standards — **Adhere to standards and disallow discussion (climate change)**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **137**/**1,499**

Tabulation: Freq.	Numeric	Label
161	**1**	I have done this
327	**2**	I have not done this, but I might if the situation were to arise
874	**3**	I would not do this
137	**.**	

q7_avoiddiscussion — **Avoid all discussion (climate change)**

Type: Numeric (**double**)
Label: **approach**

Range: [**1**,**3**] Units: **1**
Unique values: **3** Missing .: **126**/**1,499**

Tabulation: Freq.	Numeric	Label
15	**1**	I have done this
44	**2**	I have not done this, but I might if the situation were to arise
1,314	**3**	I would not do this
126	**.**	

q8_forests — **Priority to deforestation**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **4** Missing .: **114**/**1,499**

Tabulation:	Freq.	Numeric	Label
	824	**1**	A high priority
	518	**2**	A medium priority
	19	**3**	It is not necessary to cover this topic
	24	**5**	No opinion
	114	**.**	

---

q8_co2 — **Priority to carbon dioxide**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **104**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,101	**1**	A high priority
	263	**2**	A medium priority
	8	**3**	It is not necessary to cover this topic
	1	**4**	This topic should not be covered
	22	**5**	No opinion
	104	**.**	

---

q8_ocean — **Priority to ocean acidification**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **107**/**1,499**

Tabulation:	Freq.	Numeric	Label
	627	**1**	A high priority
	639	**2**	A medium priority
	65	**3**	It is not necessary to cover this topic
	1	**4**	This topic should not be covered
	60	**5**	No opinion
	107	**.**	

---

q8_homes — **Priority to home heating and cooling**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **113**/**1,499**

Tabulation:	Freq.	Numeric	Label
	269	**1**	A high priority
	843	**2**	A medium priority
	208	**3**	It is not necessary to cover this topic
	2	**4**	This topic should not be covered
	64	**5**	No opinion
	113	**.**	

---

q8_ozone — **Priority to ozone depletion**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **111**/**1,499**

Tabulation:	Freq.	Numeric	Label
	527	**1**	A high priority
	671	**2**	A medium priority
	137	**3**	It is not necessary to cover this topic
	17	**4**	This topic should not be covered
	36	**5**	No opinion
	111	**.**	

---

q8_coaloil — **Priority to coal and oil use**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **108**/**1,499**

Tabulation:	Freq.	Numeric	Label
	768	**1**	A high priority
	568	**2**	A medium priority
	20	**3**	It is not necessary to cover this topic
	2	**4**	This topic should not be covered
	33	**5**	No opinion
	108	**.**	

---

q8_pesticides — **Priority to pesticides**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **114**/**1,499**

Tabulation:	Freq.	Numeric	Label
	384	**1**	A high priority
	612	**2**	A medium priority
	301	**3**	It is not necessary to cover this topic
	24	**4**	This topic should not be covered
	64	**5**	No opinion
	114	**.**	

---

q8_waveenergy **Priority to incoming shortwave / outgoing longwave energy**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **120**/**1,499**

Tabulation:	Freq.	Numeric	Label
	242	**1**	A high priority
	644	**2**	A medium priority
	269	**3**	It is not necessary to cover this topic
	7	**4**	This topic should not be covered
	217	**5**	No opinion
	120	**.**	

---

q8_emissions **Priority to industry emissions**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **4** Missing .: **105**/**1,499**

Tabulation:	Freq.	Numeric	Label
	769	**1**	A high priority
	578	**2**	A medium priority
	19	**3**	It is not necessary to cover this topic
	28	**5**	No opinion
	105	**.**	

---

q8_biblical **Priority to biblical perspectives (climate change)**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **109**/**1,499**

Tabulation:	Freq.	Numeric	Label
	17	**1**	A high priority
	56	**2**	A medium priority
	346	**3**	It is not necessary to cover this topic
	789	**4**	This topic should not be covered
	182	**5**	No opinion
	109	**.**	

---

q8_flooding — **Priority to coastal flooding and sea rise**

Type: Numeric (**double**)
Label: **priority**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **107**/**1,499**

Tabulation:	Freq.	Numeric	Label
	756	**1**	A high priority
	551	**2**	A medium priority
	42	**3**	It is not necessary to cover this topic
	5	**4**	This topic should not be covered
	38	**5**	No opinion
	107	**.**	

---

q10_citizenevol
What would citizens think about how much your dist teaches evolution?

Type: Numeric (**double**)
Label: **citizen**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **22**/**1,499**

Tabulation:	Freq.	Numeric	Label
	47	**1**	Should teach more
	250	**2**	Should teach less
	579	**3**	Amount of teaching about right
	320	**4**	I don't think they would care
	281	**5**	I don't know
	22	**.**	

---

q11_citizenclimchange
What would citizens think about how much your dist teaches climate change?

Type: Numeric (**double**)
Label: **citizen**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **124**/**1,499**

Tabulation:	Freq.	Numeric	Label
	321	**1**	Should teach more
	150	**2**	Should teach less
	476	**3**	Amount of teaching about right
	298	**4**	I don't think they would care
	130	**5**	I don't know
	124	**.**	

---

q12_statestandards
So far as you know, do your state's standards include evolution?

Type: Numeric (**double**)
Label: **standards**

Range: [**1**,**4**] Units: **1**
Unique values: **4** Missing .: **99**/**1,499**

Tabulation:	Freq.	Numeric	Label
	464	**1**	Yes, but not human evolution
	770	**2**	Yes, including human evolution
	47	**3**	No
	119	**4**	I am not sure
	99	**.**	

---

q13_statetest **Does your state have a test covering HS bio?**

Type: Numeric (**double**)
Label: **test**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **120**/**1,499**

Tabulation:	Freq.	Numeric	Label
	127	**1**	No
	70	**2**	Yes, scores reported for districts but not indiv. schools
	533	**3**	Yes, scores reported for indiv. schools
	396	**4**	Yes, high-stakes test students must pass to graduate
	253	**5**	I am not sure
	120	**.**	

---

q14_book **Book question**

Type: String (**str7**)

Unique values: **7** Missing "": **1,210**/**1,499**

```
            Tabulation: Freq.  Value
                        1,210  ""
                           77  "1"
                           68  "1  2"
                          107  "1  2  3"
                            4  "1  3"
                           29  "2"
                            1  "2  3"
                            3  "3"

                Warning: Variable has embedded blanks.
```

---

q14_title — **Title of primary textbook**

```
                    Type: String (strL)

           Unique values: 660                       Missing "": 220/1,499

                Examples: ""
                          "BIOLOGY - CONCEPTS + CONNECTIONS 8TH EDITION"
                          "FUNDAMENTALS ANATOMY & PHYSIOLOGY 9TH EDITION"
                          "NONE"

                Warning: Variable has leading, embedded, and trailing blanks.
```

---

q14_publisher — **Publisher of primary textbook**

```
                    Type: String (strL)

           Unique values: 336                       Missing "": 393/1,499

                Examples: ""
                          "DELTA EDUCATION"
                          "KESLER SCIENCE"
                          "PEARSON"

                Warning: Variable has leading, embedded, and trailing blanks.
```

---

q14_author — **Author of primary textbook**

```
                    Type: String (strL)

           Unique values: 390                       Missing "": 674/1,499

                Examples: ""
                          ""
                          "BIGGS ET AL"
                          "MILLER AND LEVINE"

                Warning: Variable has leading, embedded, and trailing blanks.
```

---

q15_bookselection_other — **Who selects your primary textbook? (other)**

```
                    Type: String (strL)

           Unique values: 206                       Missing "": 1,026/1,499
```

```
             Examples: ""
                       ""
                       ""
                       ""

              Warning: Variable has leading, embedded, and trailing blanks.
```

---

q16_origin — **Which comes closest to your view on human origin?**

```
                 Type: Numeric (double)
                Label: origin

                Range: [1,3]                         Units: 1
        Unique values: 3                          Missing .: 190/1,499

           Tabulation: Freq.   Numeric  Label
                       554         1  Humans have developed over
                                      millions of years, God guided
                                      process
                       567         2  Humans have developed over
                                      millions of years, God had no
                                      part
                       188         3  God created humans in present
                                      form within last 10,000 years
                       190         .
```

---

q17_evol_consensus — **What proporition of scientists think humans have evolved?**

```
                 Type: Numeric (double)
                Label: consensus

                Range: [1,5]                         Units: 1
        Unique values: 5                          Missing .: 126/1,499

           Tabulation: Freq.   Numeric  Label
                         9         1  0-20%
                        28         2  21-40%
                       113         3  41-60%
                       323         4  61-80%
                       900         5  81-100%
                       126         .
```

---

q18_gwcauses — **What comes closest to your view on global warming?**

```
                 Type: Numeric (double)
                Label: gwcause

                Range: [1,4]                         Units: 1
        Unique values: 4                          Missing .: 160/1,499
```

Tabulation:	Freq.	Numeric	Label
	1,057	**1**	Caused mostly by human activities
	199	**2**	Caused mostly by natural changes
	13	**3**	Global warming is not happenening
	70	**4**	I am not sure
	160	**.**	

---

q19_gw_consensus
What proportion of scientists think global warming is caused by humans?

Type: Numeric (**double**)
Label: **consensus**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **127**/**1,499**

Tabulation:	Freq.	Numeric	Label
	11	**1**	0-20%
	37	**2**	21-40%
	172	**3**	41-60%
	410	**4**	61-80%
	742	**5**	81-100%
	127	**.**	

---

q20_govrole **Govt needs to make laws to protect people from themselves (1-7)**

Type: Numeric (**double**)
Label: **govrole**, but **5** nonmissing values are not labeled

Range: [**1**,**7**] Units: **1**
Unique values: **7** Missing .: **120**/**1,499**

Tabulation:	Freq.	Numeric	Label
	33	**1**	It's not the government's business
	58	**2**	
	64	**3**	
	215	**4**	
	357	**5**	
	381	**6**	
	271	**7**	Sometimes government needs to
	120	**.**	

---

q20_bizreg **Govt regulation of business does more harm than good (1-7)**

Type: Numeric (**double**)
Label: **bizreg**, but **5** nonmissing values are not labeled

Range: [**1**,**7**] Units: **1**
Unique values: **7** Missing .: **115**/**1,499**

Tabulation:	Freq.	Numeric	Label
	207	**1**	Necessary to protect public interest
	279	**2**	
	235	**3**	
	291	**4**	
	166	**5**	
	105	**6**	
	101	**7**	Usually does more harm than good
	115	**.**	

---

q21_bacharts — **Has Bachelor of Arts**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,119	**0**	No
	380	**1**	Yes

---

q21_bacharts_major — **Bachelor of Arts major**

Type: String (**str58**)

Unique values: **165** Missing "": **1,200**/**1,499**

Examples: ""
""
""
""

Warning: Variable has embedded blanks.

---

q21_bacharts_school — **Bachelor of Arts institution**

Type: String (**str43**)

Unique values: **280** Missing "": **1,203**/**1,499**

Examples: ""
""
""
""

Warning: Variable has embedded blanks.

---

q21_bachscience — **Has Bachelor of Science**

Type: Numeric (**double**)
Label: **yesno**

Range: [0,1] Units: 1
Unique values: 2 Missing .: 0/1,499

Tabulation: Freq. Numeric Label
464 0 No
1,035 1 Yes

---

q21_bachscience_major **Bachelor of Science major**

Type: String (str55)

Unique values: 387 Missing "": 661/1,499

Examples: ""
""
"BIOLOGY"
"ELEM. EDUC."

Warning: Variable has embedded blanks.

---

q21_bachscience_school **Bachelor of Science institution**

Type: String (str70)

Unique values: 701 Missing "": 680/1,499

Examples: ""
""
"INDIANA STATE UNIVERSITY"
"TEXAS A&M UNIVERSITY"

Warning: Variable has embedded blanks.

---

q21_mastered **Has Master's Degree in Education**

Type: Numeric (double)
Label: yesno

Range: [0,1] Units: 1
Unique values: 2 Missing .: 0/1,499

Tabulation: Freq. Numeric Label
675 0 No
824 1 Yes

---

q21_mastered_major **M.Ed. major**

Type: String (str70)

Unique values: 355 Missing "": 877/1,499

Examples: ""
""
"ADMINISTRATION"
"LEADERSHIP-ADMIN"

Warning: Variable has leading and embedded blanks.

---

q21_mastered_school — **M.Ed. institution**

Type: String (**str47**)

Unique values: **578** Missing "": **834/1,499**

Examples: **""**
""
"BSU"
"ROOSEVELT"

Warning: Variable has embedded blanks.

---

q21_mastersci — **Has Master's Degree in Science**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0,1**] Units: **1**
Unique values: **2** Missing .: **0/1,499**

Tabulation:

Freq.	Numeric	Label
1,235	**0**	No
264	**1**	Yes

---

q21_mastersci_major — **M.S. major**

Type: String (**str76**)

Unique values: **130** Missing "": **1,295/1,499**

Examples: **""**
""
""
""

Warning: Variable has embedded blanks.

---

q21_mastersci_school — **M.S. institution**

Type: String (**str70**)

Unique values: **194** Missing "": **1,288/1,499**

Examples: **""**
""
""
""

Warning: Variable has embedded blanks.

---

q21_doctored — **Has Doctorate in Education**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,478 **0** No
21 **1** Yes

---

q21_doctored_major **Ed Doctorate major**

Type: String (**str29**)

Unique values: **17** Missing "": **1,481**/**1,499**

Examples: ""
""
""
""

Warning: Variable has embedded blanks.

---

q21_doctored_school **Ed Doctorate institution**

Type: String (**str29**)

Unique values: **21** Missing "": **1,478**/**1,499**

Examples: ""
""
""
""

Warning: Variable has embedded blanks.

---

q21_phdscience **Has Ph.D. in Science**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,479 **0** No
20 **1** Yes

---

q21_phdscience_major **Ph.D. major**

Type: String (**str36**)

Unique values: **12** Missing "": **1,485**/**1,499**

Examples: ""
""
""
""

Warning: Variable has embedded blanks.

---

q21_phdscience_school **Ph.D. institution**

Type: String (**str59**)

Unique values: **17** Missing "": **1,482**/**1,499**

Examples: ""
""
""
""

Warning: Variable has embedded blanks.

---

q23_certav **Advanced certificate specification**

Type: String (**strL**)

Unique values: **143** Missing "": **1,090**/**1,499**

Examples: ""
""
""
""

Warning: Variable has leading, embedded, and trailing blanks.

---

q23_other **Other certificate specification**

Type: String (**strL**)

Unique values: **54** Missing "": **1,166**/**1,499**

Examples: ""
""
""
""

Warning: Variable has leading, embedded, and trailing blanks.

---

q24_race_other **Race (other)**

Type: String (**str29**)

Unique values: **26** Missing "": **1,193**/**1,499**

Examples: ""
""
""
""

Warning: Variable has leading, embedded, and trailing blanks.

---

q25_studteach **How much student teaching exp before certification?**

Type: Numeric (**double**)
Label: **studteach**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **104**/**1,499**

Tabulation:	Freq.	Numeric	Label
	397	**1**	At least 1 yr through undergrad program
	128	**2**	At least 1 yr through post-bac program
	177	**3**	At least 1 year through master's program
	538	**4**	Some, but less than 1 year
	155	**5**	None
	104	**.**	

---

q26_bio_college **Number of college classes in Bio**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **157**/**1,499**

Tabulation:	Freq.	Numeric	Label
	62	**1**	0
	76	**2**	1
	140	**3**	2
	84	**4**	3
	980	**5**	4
	157	**.**	

---

q26_bio_conted **Number of continuing ed courses in Bio**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **325**/**1,499**

Tabulation:	Freq.	Numeric	Label
	245	**1**	0
	127	**2**	1
	183	**3**	2
	92	**4**	3
	527	**5**	4
	325	**.**	

---

q26_earth_college **Number of college classes in Earth / Space Sci**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **195**/**1,499**

Tabulation:	Freq.	Numeric	Label
	244	**1**	0
	310	**2**	1
	324	**3**	2
	129	**4**	3
	297	**5**	4
	195	**.**	

---

q26_earth_conted **Number of continuing ed courses in Earth / Space Sci**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **388**/**1,499**

Tabulation:	Freq.	Numeric	Label
	494	**1**	0
	177	**2**	1
	168	**3**	2
	67	**4**	3
	205	**5**	4
	388	**.**	

---

q26_chem_college **Number of college classes in Chem or Physics**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **176**/**1,499**

Tabulation:	Freq.	Numeric	Label
	129	**1**	0
	133	**2**	1
	222	**3**	2
	167	**4**	3
	672	**5**	4
	176	**.**	

---

q26_chem_conted **Number of continuing ed courses in Chem or Physics**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **402**/**1,499**

Tabulation:	Freq.	Numeric	Label
	556	**1**	0
	190	**2**	1
	139	**3**	2
	43	**4**	3
	169	**5**	4
	402	**.**	

---

q26_edmethods_college **Number of college classes in sci teaching methods**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **180**/**1,499**

Tabulation:	Freq.	Numeric	Label
	206	**1**	0
	251	**2**	1
	279	**3**	2
	125	**4**	3
	458	**5**	4
	180	**.**	

---

q26_edmethods_conted **Number of continuing ed courses in sci teaching methods**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **303**/**1,499**

Tabulation:	Freq.	Numeric	Label
	188	**1**	0
	153	**2**	1
	193	**3**	2
	88	**4**	3
	574	**5**	4
	303	**.**	

---

q27_evo_college **Number of college courses entirely on evolution**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **170**/**1,499**

Tabulation:	Freq.	Numeric	Label
	738	**1**	0
	350	**2**	1
	156	**3**	2
	32	**4**	3
	53	**5**	4
	170	**.**	

q27_evo_conted **Number of cont. ed courses entirely on evolution**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **411**/**1,499**

Tabulation: Freq.	Numeric	Label
838	**1**	0
141	**2**	1
70	**3**	2
12	**4**	3
27	**5**	4
411	**.**	

q27_sectionevo_college **Number of college courses w/ sections on evolution**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **175**/**1,499**

Tabulation: Freq.	Numeric	Label
365	**1**	0
329	**2**	1
255	**3**	2
97	**4**	3
278	**5**	4
175	**.**	

q27_sectionevo_conted **Number of cont. ed courses w/ sections on evolution**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **434**/**1,499**

Tabulation: Freq.	Numeric	Label
702	**1**	0
162	**2**	1
100	**3**	2
25	**4**	3
76	**5**	4
434	**.**	

q27_courseclimate_college **Number of college courses entirely on climate change**

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **187**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,010	**1**	0
	173	**2**	1
	87	**3**	2
	19	**4**	3
	23	**5**	4
	187	**.**	

---

q27_courseclimate_conted Number of cont. ed courses entirely on climate change

---

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1,5**] Units: **1**
Unique values: **5** Missing .: **414/1,499**

Tabulation:	Freq.	Numeric	Label
	704	**1**	0
	213	**2**	1
	89	**3**	2
	27	**4**	3
	52	**5**	4
	414	**.**	

---

q27_sectionclimate_college
Number of college courses w/ sections on climate change

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1,5**] Units: **1**
Unique values: **5** Missing .: **188/1,499**

Tabulation:	Freq.	Numeric	Label
	479	**1**	0
	371	**2**	1
	244	**3**	2
	86	**4**	3
	131	**5**	4
	188	**.**	

---

q27_sectionclimate_conted
Number of cont. ed courses w/ sections on climate change

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1,5**] Units: **1**
Unique values: **5** Missing .: **434/1,499**

Tabulation:	Freq.	Numeric	Label
	597	**1**	0
	230	**2**	1
	116	**3**	2
	26	**4**	3
	96	**5**	4
	434	**.**	

---

q27_pbl_college Number of college courses w/ lesson on problem-based learning

---

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **208**/**1,499**

Tabulation: Freq. Numeric Label
548 **1** 0
305 **2** 1
210 **3** 2
89 **4** 3
139 **5** 4
208 **.**

---

q27_pbl_conted Number of cont. ed courses w/ lesson on problem-based learning

---

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **348**/**1,499**

Tabulation: Freq. Numeric Label
291 **1** 0
301 **2** 1
240 **3** 2
98 **4** 3
221 **5** 4
348 **.**

---

q27_controv_college
Number of college courses w/ lesson on teaching controversial topics

---

Type: Numeric (**double**)
Label: **zerofour**

Range: [**1**,**5**] Units: **1**
Unique values: **5** Missing .: **201**/**1,499**

Tabulation: Freq. Numeric Label
811 **1** 0
275 **2** 1
131 **3** 2
37 **4** 3
44 **5** 4
201 **.**

---

q27_controv_conted
Number of cont. ed courses w/ lesson on teaching controversial topics

---

Type: Numeric (**double**)
Label: **zerofour**

```
               Range: [1,5]                          Units: 1
      Unique values: 5                           Missing .: 372/1,499

         Tabulation: Freq.   Numeric  Label
                      678         1  0
                      246         2  1
                      106         3  2
                       30         4  3
                       67         5  4
                      372         .
```

---

q29_gender — **Gender identity**

```
                Type: Numeric (double)
               Label: gender

               Range: [1,3]                          Units: 1
      Unique values: 3                           Missing .: 93/1,499

         Tabulation: Freq.   Numeric  Label
                      506         1  Male
                      898         2  Female
                        2         3  Other
                       93         .
```

---

q30_party — **Politically, how do you usually identify?**

```
                Type: Numeric (double)
               Label: party

               Range: [1,7]                          Units: 1
      Unique values: 7                           Missing .: 172/1,499

         Tabulation: Freq.   Numeric  Label
                      561         1  Democrat
                      341         2  Independent
                      296         3  Republican
                        8         4  Green Party
                        1         5  Tea Party
                       33         6  Libertarian
                       87         7  Other
                      172         .
```

---

p30_party_other — **Party (other)**

```
                Type: String (strL)

      Unique values: 61                          Missing "": 1,150/1,499

           Examples: ""
                     ""
                     ""
                     ""

            Warning: Variable has leading, embedded, and trailing blanks.
```

q30_religion — **What is your present religion?**

Type: Numeric (**double**)
Label: **religion**

Range: [**1**,**14**] — Units: **1**
Unique values: **14** — Missing .: **172**/**1,499**

Examples: **1** Protestant
5 Mormon
9 Other Christian
12 Nothing in particular

q30_religion_other — **Religion (other)**

Type: String (**strL**)

Unique values: **77** — Missing "": **1,135**/**1,499**

Examples: ""
""
""
""

Warning: Variable has leading, embedded, and trailing blanks.

q31_bible — **Which comes closest to your feelings about the Bible?**

Type: Numeric (**double**)
Label: **bible**

Range: [**1**,**3**] — Units: **1**
Unique values: **3** — Missing .: **189**/**1,499**

Tabulation:

Freq.	Numeric	Label
136	**1**	Actual word of God, to be taken literally
716	**2**	Inspired word of God, not everything should be taken literally
458	**3**	Ancient book of fables, legends, history, and moral precepts recorded by man
189	**.**	

q32_comments — **Comments**

Type: String (**strL**)

Unique values: **339** — Missing "": **920**/**1,499**

Examples: ""
""
""
"EVOLUTION IS INTRODUCES AS A THEORY, BUT DEALS MOSTLY WITH THE SCIENTIFIC EVIDENCE THAT HELPS TO SUPPORT IT. OCCASIONALLY THERE ARE PARENTS WHO WANT TO KNOW HOW/WHAT I TEACH ABOUT EVOLUTION. I SHARE MY MATERIALS WITH THEM, AND THEY ARE ALWAYS OKAY JUST TALKING ABOUT THE RELIGION VS. SCIENCE CONTROVERSY WITH EVOLUTION WITH THEIR CHILD. THERE HAS NEVER REALLY BEEN ANY DEBATE ABOUT GLOBAL WARMING(CAUSES AND WHAT HUMANS CAN DO TO HELP) INCLUDING STUDENTS OR PARENTS."

Warning: Variable has leading, embedded, and trailing blanks.

---

q5_teachevo_none — **No one pressured me to teach evolution**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	246	**0**	No
	1,253	**1**	Yes

---

q5_teachevo_schooladmin — **Pressured to teach evolution by admin**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,456	**0**	No
	43	**1**	Yes

---

q5_teachevo_local — **Pressured to teach evolution by religious leader**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,497	**0**	No
	2	**1**	Yes

---

q5_teachevo_parents — **Pressured to teach evolution by parent**

Type: Numeric (**double**)
Label: **yesno**

```
                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,499

            Tabulation: Freq.   Numeric  Label
                        1,485         0  No
                           14         1  Yes
```

---

q5_teachevo_schoolboard Pressured to teach evolution by school board member

---

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,499

            Tabulation: Freq.   Numeric  Label
                        1,480         0  No
                           19         1  Yes
```

---

q5_teachevo_other Pressured to teach evolution by someone else

---

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,499

            Tabulation: Freq.   Numeric  Label
                        1,391         0  No
                          108         1  Yes
```

---

q5_teachcreationism_none No one pressured me to teach creationism or ID

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,499

            Tabulation: Freq.   Numeric  Label
                          227         0  No
                        1,272         1  Yes
```

---

q5_teachcreationism_schooladmin Pressured to teach creationism or ID by admin

---

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,499

            Tabulation: Freq.   Numeric  Label
                        1,491         0  No
                            8         1  Yes
```

q5_teachcreationism_local
Pressured to teach creationism or ID by religious leader

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,480	**0**	No
	19	**1**	Yes

q5_teachcreationism_parents **Pressured to teach creationism or ID by parent**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,406	**0**	No
	93	**1**	Yes

q5_teachcreationism_schoolboard
Pressured to teach creationism or ID by school board member

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,494	**0**	No
	5	**1**	Yes

q5_teachcreationism_other **Pressured to teach creationism or ID by someone else**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,465	**0**	No
	34	**1**	Yes

q5_noteachevo_none **No one pressured me to NOT teach evolution**

Type: Numeric (**double**)
Label: **yesno**

```
            Range: [0,1]                          Units: 1
    Unique values: 2                              Missing .: 0/1,499

       Tabulation: Freq.   Numeric  Label
                     286         0  No
                   1,213         1  Yes
```

---

q5_noteachevo_schooladmin **Pressured to NOT teach evolution by admin**

```
             Type: Numeric (double)
            Label: yesno

            Range: [0,1]                          Units: 1
    Unique values: 2                              Missing .: 0/1,499

       Tabulation: Freq.   Numeric  Label
                   1,479         0  No
                      20         1  Yes
```

---

q5_noteachevo_local **Pressured to NOT teach evolution by religious leader**

```
             Type: Numeric (double)
            Label: yesno

            Range: [0,1]                          Units: 1
    Unique values: 2                              Missing .: 0/1,499

       Tabulation: Freq.   Numeric  Label
                   1,472         0  No
                      27         1  Yes
```

---

q5_noteachevo_parents **Pressured to NOT teach evolution by parent**

```
             Type: Numeric (double)
            Label: yesno

            Range: [0,1]                          Units: 1
    Unique values: 2                              Missing .: 0/1,499

       Tabulation: Freq.   Numeric  Label
                   1,359         0  No
                     140         1  Yes
```

---

q5_noteachevo_schoolboard
Pressured to NOT teach evolution by school board member

```
             Type: Numeric (double)
            Label: yesno

            Range: [0,1]                          Units: 1
    Unique values: 2                              Missing .: 0/1,499

       Tabulation: Freq.   Numeric  Label
                   1,492         0  No
                       7         1  Yes
```

---

q5_noteachevo_other **Pressured to NOT teach evolution by someone else**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,448 **0** No
51 **1** Yes

---

q5_noteachcreationism_none **No one pressured me to NOT teach creationism or ID**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
231 **0** No
1,268 **1** Yes

---

q5_noteachcreationism_schooladm
Pressured to NOT teach creationism or ID by admin

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,450 **0** No
49 **1** Yes

---

q5_noteachcreationism_local
Pressured to NOT teach creationism or ID by religious leader

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,497 **0** No
2 **1** Yes

---

q5_noteachcreationism_parents **Pressured to NOT teach creationism or ID by parent**

Type: Numeric (**double**)
Label: **yesno**

```
               Range: [0,1]                          Units: 1
        Unique values: 2                             Missing .: 0/1,499

           Tabulation: Freq.   Numeric  Label
                       1,476         0  No
                          23         1  Yes
```

---

q5_noteachcreationism_schoolbd
Pressured to NOT teach creationism or ID by school board member

---

```
                Type: Numeric (double)
               Label: yesno

               Range: [0,1]                          Units: 1
        Unique values: 2                             Missing .: 0/1,499

           Tabulation: Freq.   Numeric  Label
                       1,474         0  No
                          25         1  Yes
```

---

q5_noteachcreationism_other
Pressured to NOT teach creationism or ID by someone else

```
                Type: Numeric (double)
               Label: yesno

               Range: [0,1]                          Units: 1
        Unique values: 2                             Missing .: 0/1,499

           Tabulation: Freq.   Numeric  Label
                       1,422         0  No
                          77         1  Yes
```

---

q9_teachgw_none No one pressured me to teach human causes of global warming

---

```
                Type: Numeric (double)
               Label: yesno

               Range: [0,1]                          Units: 1
        Unique values: 2                             Missing .: 0/1,499

           Tabulation: Freq.   Numeric  Label
                         196         0  No
                       1,303         1  Yes
```

---

q9_teachgw_schooladmin
Pressured to teach human causes of global warming by admin

```
                Type: Numeric (double)
               Label: yesno

               Range: [0,1]                          Units: 1
        Unique values: 2                             Missing .: 0/1,499
```

Tabulation:	Freq.	Numeric	Label
	1,463	**0**	No
	36	**1**	Yes

---

q9_teachgw_local
Pressured to teach human causes of global warming by religious leader

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**0**] Units: **1**
Unique values: **1** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,499	**0**	No

---

q9_teachgw_parents Pressured to teach human causes of global warming by parent

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,493	**0**	No
	6	**1**	Yes

---

q9_teachgw_schoolboard
Pressured to teach human causes of global warming by school board member

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,483	**0**	No
	16	**1**	Yes

---

q9_teachgw_other
Pressured to teach human causes of global warming by someone else

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,425	**0**	No
	74	**1**	Yes

---

q9_noteachgw_none
No one pressured me to NOT teach human causes of global warming

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
157 **0** No
1,342 **1** Yes

---

q9_noteachgw_schooladmin
Pressured to NOT teach human causes of global warming by admin

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,492 **0** No
7 **1** Yes

---

q9_noteachgw_local
Pressured to NOT teach human causes of global warming by religious leader

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,497 **0** No
2 **1** Yes

---

q9_noteachgw_parents
Pressured to NOT teach human causes of global warming by parent

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,469 **0** No
30 **1** Yes

---

q9_noteachgw_schoolboard
Pressured to NOT teach human causes of global warming by school board member

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,492 **0** No
7 **1** Yes

---

q9_noteachgw_other
Pressured to NOT teach human causes of global warming by someone else

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,466 **0** No
33 **1** Yes

---

q15_bookselection_stateboard **State board chooses textbook**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,374 **0** No
125 **1** Yes

---

q15_bookselection_schooldist **School district chooses textbook**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
717 **0** No
782 **1** Yes

---

q15_bookselection_school **School chooses textbook**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,199	**0**	No
	300	**1**	Yes

---

q15_bookselection_instructor — **Instructor chooses textbook**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] — Units: **1**
Unique values: **2** — Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,091	**0**	No
	408	**1**	Yes

---

q15_bookselection_someoneelse — **Someone else chooses textbook**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] — Units: **1**
Unique values: **2** — Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,307	**0**	No
	192	**1**	Yes

---

q23_certreg — **Holds regular teaching certificate**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] — Units: **1**
Unique values: **2** — Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	324	**0**	No
	1,175	**1**	Yes

---

q23_certprob — **Holds probationary teaching certificate**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] — Units: **1**
Unique values: **2** — Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,461	**0**	No
	38	**1**	Yes

---

q23_certadd — **Holds teaching certificate that requires additional coursework**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,335 **0** No
164 **1** Yes

---

q23_certprog
Holds certificate issued to teachers who must still complete regular program

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,411 **0** No
88 **1** Yes

---

q23_certadv **Holds advanced professional certificate**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,329 **0** No
170 **1** Yes

---

q23_certother **Holds other type of teaching certificate**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,448 **0** No
51 **1** Yes

---

q24_hisp **R is of Hispanic heritage**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **2**/**1,499**

```
            Tabulation: Freq.   Numeric  Label
                        1,420         0  No
                           77         1  Yes
                            2         .
```

---

q24_white — **R is White**

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
        Unique values: 2                          Missing .: 2/1,499

            Tabulation: Freq.   Numeric  Label
                          275         0  No
                        1,222         1  Yes
                            2         .
```

---

q24_black — **R is Black/African American**

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
        Unique values: 2                          Missing .: 2/1,499

            Tabulation: Freq.   Numeric  Label
                        1,437         0  No
                           60         1  Yes
                            2         .
```

---

q24_eastasian — **R is East Asian**

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
        Unique values: 2                          Missing .: 2/1,499

            Tabulation: Freq.   Numeric  Label
                        1,471         0  No
                           26         1  Yes
                            2         .
```

---

q24_native — **R is Native American**

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
        Unique values: 2                          Missing .: 2/1,499

            Tabulation: Freq.   Numeric  Label
                        1,484         0  No
                           13         1  Yes
                            2         .
```

q24_pacific — **R is Pacific Islander**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **2**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,493	**0**	No
	4	**1**	Yes
	2	**.**	

q24_southasian — **R is South Asian**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **2**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,485	**0**	No
	12	**1**	Yes
	2	**.**	

q24_other — **R is other race or ethnicity**

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **2**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,467	**0**	No
	30	**1**	Yes
	2	**.**	

q28_conted_evo_time
School does not allow enough time for continuing education on evolution

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation:	Freq.	Numeric	Label
	1,359	**0**	No
	140	**1**	Yes

q28_conted_evo_funds
School does not provide enough funds for continuing education on evolution

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,128 **0** No
371 **1** Yes

---

q28_conted_evo_opp
Not enough suitable opportunities for continuing education on evolution

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,156 **0** No
343 **1** Yes

---

q28_conted_evo_nointerest
I am not interested in continuing education on evolution

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
1,326 **0** No
173 **1** Yes

---

q28_conted_evo_okay
I have access to all the continuing education I want/need on evolution

---

Type: Numeric (**double**)
Label: **yesno**

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
851 **0** No
648 **1** Yes

---

q28_conted_climate_time
School does not allow enough time for continuing education on climate change

---

Type: Numeric (**double**)
Label: **yesno**

```
                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,499

            Tabulation: Freq.   Numeric  Label
                        1,354         0  No
                          145         1  Yes
```

---

q28_conted_climate_funds **School does not provide enough funds for continuing education on climate change**

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,499

            Tabulation: Freq.   Numeric  Label
                        1,134         0  No
                          365         1  Yes
```

---

q28_conted_climate_opp
Not enough suitable opportunities for continuing education on climate change

---

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,499

            Tabulation: Freq.   Numeric  Label
                        1,152         0  No
                          347         1  Yes
```

---

q28_conted_climate_nointerest
I am not interested in continuing education on climate change

---

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,499

            Tabulation: Freq.   Numeric  Label
                        1,358         0  No
                          141         1  Yes
```

---

q28_conted_climate_okay
I have access to all the continuing education I want/need on climate change

---

```
                 Type: Numeric (double)
                Label: yesno

                Range: [0,1]                         Units: 1
         Unique values: 2                        Missing .: 0/1,499
```

```
            Tabulation: Freq.   Numeric  Label
                          851         0  No
                          648         1  Yes
```

---

q22_yearsteach **(unlabeled)**

```
                  Type: Numeric (double)

                 Range: [1,44]                        Units: .1
         Unique values: 44                         Missing .: 99/1,499

                  Mean: 16.2682
             Std. dev.: 9.04265

           Percentiles:     10%       25%       50%       75%       90%
                             5         9        15        23        29
```

---

degrees_1_text
Please tell us about your formal education. Please select all that apply and us

---

```
                  Type: String (strL)

         Unique values: 43                         Missing "": 1,218/1,499

              Examples: ""
                        ""
                        ""
                        ""

               Warning: Variable has leading, embedded, and trailing blanks.
```

---

degrees_2_text
Please tell us about your formal education. Please select all that apply and us

---

```
                  Type: String (strL)

         Unique values: 108                        Missing "": 1,218/1,499

              Examples: ""
                        ""
                        ""
                        ""

               Warning: Variable has leading, embedded, and trailing blanks.
```

---

degrees_3_text
Please tell us about your formal education. Please select all that apply and us

---

```
                  Type: String (strL)

         Unique values: 75                         Missing "": 1,218/1,499

              Examples: ""
                        ""
                        ""
                        ""
```

Warning: Variable has leading, embedded, and trailing blanks.

---

degrees_4_text
Please tell us about your formal education. Please select all that apply and us

---

Type: String (**strL**)

Unique values: **26** Missing "": **1,218**/**1,499**

Examples: ""
""
""
""

Warning: Variable has leading, embedded, and trailing blanks.

---

degrees_5_text
Please tell us about your formal education. Please select all that apply and us

---

Type: String (**strL**)

Unique values: **3** Missing "": **1,218**/**1,499**

Tabulation: Freq. Value
1,218 ""
279 ""
1 **"Bethel University - Ed. Doc - Educational Administration"**
1 **"Curriculum and Instruction"**

Warning: Variable has leading, embedded, and trailing blanks.

---

degrees_6_text
Please tell us about your formal education. Please select all that apply and us

---

Type: String (**strL**)

Unique values: **3** Missing "": **1,218**/**1,499**

Tabulation: Freq. Value
1,218 ""
279 ""
1 **"Biology/ Universidad de Ciencias Medicas de Santiago de Cuba"**
1 **"Doctorate of Veterinary Medicine - Iowa State University"**

Warning: Variable has leading, embedded, and trailing blanks.

---

race_eth_8_text
Which of the following best describes you? (select one or more) - Other - Text

---

Type: String (**strL**)

Unique values: **4** Missing "": **1,218**/**1,499**

```
            Tabulation: Freq.  Value
                        1,218  ""
                          278  ""
                            1  "Egyptian"
                            1  "I reject the concept of race."
                            1  "Southeast Asian"

               Warning: Variable has leading, embedded, and trailing blanks.
```

---

propensity_wt — **Response Propensity Weight**

```
                  Type: Numeric (float)

                 Range: [1.7433177,6.003778]          Units: 1.000e-07
         Unique values: 1,487                      Missing .: 12/1,499

                  Mean: 2.68337
             Std. dev.: .620411

           Percentiles:     10%       25%       50%       75%       90%
                        2.02581   2.20622    2.5284   3.04628   3.54328
```

---

stage1_wt — **Stage 1 calibration weight**

```
                  Type: Numeric (float)

                 Range: [.27786946,2.9034824]         Units: 1.000e-08
         Unique values: 98                         Missing .: 0/1,499

                  Mean: .862382
             Std. dev.: .269722

           Percentiles:     10%       25%       50%       75%       90%
                        .628278   .674303   .822108   .958259   1.14049
```

---

hs_chem_other — **(unlabeled)**

```
                  Type: Numeric (float)

                 Range: [0,1]                         Units: 1
         Unique values: 2                          Missing .: 0/1,499

            Tabulation: Freq.  Value
                        1,437  0
                           62  1
```

---

flag_hs — **(unlabeled)**

```
                  Type: Numeric (float)

                 Range: [0,1]                         Units: 1
         Unique values: 2                          Missing .: 0/1,499

            Tabulation: Freq.  Value
                          737  0
                          762  1
```

flag_middle **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,1**] Units: **1**
Unique values: **2** Missing .: **0/1,499**

Tabulation: Freq. Value
827 **0**
672 **1**

flag_combined **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,1**] Units: **1**
Unique values: **2** Missing .: **0/1,499**

Tabulation: Freq. Value
65 **0**
1,434 **1**

q1_num_cellbio **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,25**] Units: **.1**
Unique values: **6** Missing .: **47/1,499**

Tabulation: Freq. Value
326 **0**
64 **1.5**
317 **8**
210 **13**
193 **18**
342 **25**
47 **.**

q1_num_ecology **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,25**] Units: **.1**
Unique values: **6** Missing .: **89/1,499**

Tabulation: Freq. Value
238 **0**
72 **1.5**
386 **8**
227 **13**
216 **18**
271 **25**
89 **.**

q1_num_humanhealth **(unlabeled)**

Type: Numeric (**float**)

Range: [**0**,**25**] Units: **.1**
Unique values: **6** Missing .: **76**/**1,499**

Tabulation: Freq. Value
371 **0**
228 **1.5**
547 **8**
109 **13**
76 **18**
92 **25**
76 **.**

q1_num_humanevo **(unlabeled)**

Type: Numeric (**float**)

Range: [**0**,**25**] Units: **.1**
Unique values: **6** Missing .: **62**/**1,499**

Tabulation: Freq. Value
532 **0**
325 **1.5**
403 **8**
67 **13**
61 **18**
49 **25**
62 **.**

q1_num_generalevo **(unlabeled)**

Type: Numeric (**float**)

Range: [**0**,**25**] Units: **.1**
Unique values: **6** Missing .: **65**/**1,499**

Tabulation: Freq. Value
324 **0**
162 **1.5**
478 **8**
183 **13**
151 **18**
136 **25**
65 **.**

q1_num_globalwarm **(unlabeled)**

Type: Numeric (**float**)

Range: [**0**,**25**] Units: **.1**
Unique values: **6** Missing .: **57**/**1,499**

Tabulation:	Freq.	Value
	277	**0**
	438	**1.5**
	540	**8**
	74	**13**
	59	**18**
	54	**25**
	57	**.**

---

q1_num_pollution **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,25**] Units: **.1**
Unique values: **6** Missing .: **50/1,499**

Tabulation:	Freq.	Value
	174	**0**
	331	**1.5**
	640	**8**
	126	**13**
	89	**18**
	89	**25**
	50	**.**

---

q1_num_idcreation **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,25**] Units: **.1**
Unique values: **6** Missing .: **64/1,499**

Tabulation:	Freq.	Value
	1,239	**0**
	108	**1.5**
	59	**8**
	15	**13**
	8	**18**
	6	**25**
	64	**.**

---

q1_num_biodiversity **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,25**] Units: **.1**
Unique values: **6** Missing .: **41/1,499**

Tabulation:	Freq.	Value
	215	**0**
	219	**1.5**
	645	**8**
	159	**13**
	102	**18**
	118	**25**
	41	**.**

q1_any_cellbio **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,1**] Units: **1**
Unique values: **2** Missing .: **47/1,499**

Tabulation: Freq. Value
326 **0**
1,126 **1**
47 **.**

q1_any_ecology **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,1**] Units: **1**
Unique values: **2** Missing .: **89/1,499**

Tabulation: Freq. Value
238 **0**
1,172 **1**
89 **.**

q1_any_humanhealth **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,1**] Units: **1**
Unique values: **2** Missing .: **76/1,499**

Tabulation: Freq. Value
371 **0**
1,052 **1**
76 **.**

q1_any_humanevo **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,1**] Units: **1**
Unique values: **2** Missing .: **62/1,499**

Tabulation: Freq. Value
532 **0**
905 **1**
62 **.**

q1_any_generalevo **(unlabeled)**

Type: Numeric (**float**)

Range: [**0,1**] Units: **1**
Unique values: **2** Missing .: **65/1,499**

```
            Tabulation: Freq.  Value
                          324  0
                        1,110  1
                           65  .
```

---

q1_any_globalwarm **(unlabeled)**

```
                  Type: Numeric (float)

                 Range: [0,1]                         Units: 1
         Unique values: 2                           Missing .: 57/1,499

            Tabulation: Freq.  Value
                          277  0
                        1,165  1
                           57  .
```

---

q1_any_pollution **(unlabeled)**

```
                  Type: Numeric (float)

                 Range: [0,1]                         Units: 1
         Unique values: 2                           Missing .: 50/1,499

            Tabulation: Freq.  Value
                          174  0
                        1,275  1
                           50  .
```

---

q1_any_idcreation **(unlabeled)**

```
                  Type: Numeric (float)

                 Range: [0,1]                         Units: 1
         Unique values: 2                           Missing .: 64/1,499

            Tabulation: Freq.  Value
                        1,239  0
                          196  1
                           64  .
```

---

q1_any_biodiversity **(unlabeled)**

```
                  Type: Numeric (float)

                 Range: [0,1]                         Units: 1
         Unique values: 2                           Missing .: 41/1,499

            Tabulation: Freq.  Value
                          215  0
                        1,243  1
                           41  .
```

---

ngss_level **(unlabeled)**

Type: Numeric (**float**)
Label: **ng**

Range: [**0**,**2**] Units: **1**
Unique values: **3** Missing .: **0**/**1,499**

Tabulation: Freq. Numeric Label
444 **0** Not based upon NGSS
535 **1** Based upon NGSS
520 **2** Adopted NGSS

---

teachingin_2007 **(unlabeled)**

Type: Numeric (**float**)

Range: [**0**,**1**] Units: **1**
Unique values: **2** Missing .: **0**/**1,499**

Tabulation: Freq. Value
609 **0**
890 **1**

---

schoolname **INST**

Type: String (**str30**)

Unique values: **1,436** Missing "": **0**/**1,499**

Examples: **"Daniel L Joyce Middle School"**
"Irvington High School"
"Mt Whitney High School"
"Smiths Station High School"

Warning: Variable has embedded blanks.

---

countyname **CNTY_NAME**

Type: String (**str22**), but longest is str20

Unique values: **590** Missing "": **0**/**1,499**

Examples: **"CUMBERLAND"**
"HILLSBOROUGH"
"MONROE"
"SAN MATEO"

Warning: Variable has embedded blanks.

---

metro **ZIPMETRO**

Type: String (**str1**)

Unique values: **4** Missing "": **0**/**1,499**

```
            Tabulation: Freq.  Value
                          259  "R"
                          653  "S"
                          214  "T"
                          373  "U"
```

---

nces_id **NCES**

```
                  Type: String (str12)

         Unique values: 1,480                      Missing "": 19/1,499

              Examples: "120174007334"
                        "250732001133"
                        "363036004081"
                        "470300001196"
```

---

zip9 **(unlabeled)**

```
                  Type: String (str10)

         Unique values: 1,494                      Missing "": 0/1,499

              Examples: "19933-1299"
                        "37167-6755"
                        "60035-4695"
                        "78759-6099"
```

---

stfip **STFIP**

```
                  Type: String (str2)

         Unique values: 50                         Missing "": 22/1,499

              Examples: "12"
                        "25"
                        "36"
                        "47"
```

---

cty_fip_ **CNTY**

```
                  Type: String (str5)

         Unique values: 760                        Missing "": 22/1,499

              Examples: "12113"
                        "25017"
                        "36111"
                        "47123"
```

---

locale **LOCALE**

```
                  Type: Numeric (byte)
                 Label: urb
```

Range: [**11,43**] Units: **1**
Unique values: **12** Missing .: **22/1,499**

Examples: **13** Small City
21 Suburb of Large City
22 Suburb of Midsize City
41 Rural - Fringe

---

cd **CD**

Type: String (**str4**)

Unique values: **411** Missing "": **22/1,499**

Examples: **"1226"**
"2506"
"3625"
"4703"

---

urban_summary **(unlabeled)**

Type: Numeric (**float**)
Label: **urbs**

Range: [**11,30**] Units: **1**
Unique values: **5** Missing .: **22/1,499**

Tabulation: Freq. Numeric Label
143 **11** Large City
216 **12** Other City
527 **21** Suburb of Large City
82 **22** Other Suburb
509 **30** Town or Rural
22 **.**

---

votes_others **NA candidatevotes**

Type: Numeric (**long**)

Range: [**30,200201**] Units: **1**
Unique values: **716** Missing .: **27/1,499**

Mean: **19337.9**
Std. dev.: **33110.8**

Percentiles: 10% 25% 50% 75% 90%
636 **2097.5** **7940** **21321** **44872**

---

votes_clinton **democrat candidatevotes**

Type: Numeric (**long**)

Range: [**162,2464364**] Units: **1**
Unique values: **752** Missing .: **27/1,499**

Mean: **206001**
Std. dev.: **399949**

Percentiles:	10%	25%	50%	75%	90%
	3756	**13784.5**	**64706**	**223486**	**519444**

---

votes_trump — **republican candidatevotes**

Type: Numeric (**long**)

Range: [**260,769743**] Units: **1**
Unique values: **755** Missing .: **27/1,499**

Mean: **120264**
Std. dev.: **157167**

Percentiles:	10%	25%	50%	75%	90%
	8965	**23318**	**63176**	**148173**	**288313**

---

statename — **(unlabeled)**

Type: String (**str20**), but longest is str14

Unique values: **50** Missing "": **27/1,499**

Examples: **"Florida"**
"Massachusetts"
"New York"
"Tennessee"

Warning: Variable has embedded blanks.

---

cty_fip — **FIPS**

Type: Numeric (**long**)

Range: [**1009,56041**] Units: **1**
Unique values: **756** Missing .: **27/1,499**

Mean: **30013.4**
Std. dev.: **15608.6**

Percentiles:	10%	25%	50%	75%	90%
	6075	**17043**	**33002**	**42123**	**49035**

---

totalvotes — **(unlabeled)**

Type: Numeric (**long**)

Range: [**1019,3434308**] Units: **1**
Unique values: **754** Missing .: **27/1,499**

Mean: **345608**
Std. dev.: **571625**

Percentiles:	10%	25%	50%	75%	90%
	14566	**40867**	**140562**	**399313**	**767156**

---

cty_trump_pct **(unlabeled)**

Type: Numeric (**float**)

Range: [**8.4047794,89.334847**] Units: **1.000e-07**
Unique values: **756** Missing .: **27/1,499**

Mean: **48.6159**
Std. dev.: **16.7669**

Percentiles:	10%	25%	50%	75%	90%
	25.9392	**37.1822**	**47.6684**	**61.6293**	**71.452**

---

cty_clinton_pct **(unlabeled)**

Type: Numeric (**float**)

Range: [**8.4258242,88.517281**] Units: **1.000e-07**
Unique values: **756** Missing .: **27/1,499**

Mean: **45.5374**
Std. dev.: **16.8303**

Percentiles:	10%	25%	50%	75%	90%
	22.6477	**32.5376**	**45.4387**	**56.5688**	**68.5027**

---

cty_others_pct **(unlabeled)**

Type: Numeric (**float**)

Range: [**.8664898,35.150906**] Units: **1.000e-07**
Unique values: **756** Missing .: **27/1,499**

Mean: **5.81937**
Std. dev.: **3.55113**

Percentiles:	10%	25%	50%	75%	90%
	3.03278	**3.83991**	**5.30203**	**6.86184**	**8.35703**

---

gop_share_county **(unlabeled)**

Type: Numeric (**float**)

Range: [**8.706416,91.381172**] Units: **1.000e-06**
Unique values: **756** Missing .: **27/1,499**

Mean: **51.664**
Std. dev.: **17.6356**

Percentiles:	10%	25%	50%	75%	90%
	27.2981	**39.3793**	**51.1375**	**65.5917**	**75.6899**

---

dem_share_county **(unlabeled)**

```
                 Type: Numeric (float)

                Range: [8.6188278,91.293587]         Units: 1.000e-07
        Unique values: 756                        Missing .: 27/1,499

                 Mean:  48.336
            Std. dev.: 17.6356

          Percentiles:     10%       25%       50%       75%       90%
                        24.3101   34.4083   48.8625   60.6207   72.7019
```

---

gopshare5 **GOP share of county 2016 presidential vote**

```
                 Type: Numeric (float)
                Label: voteshare

                Range: [1,5]                         Units: 1
        Unique values: 5                          Missing .: 27/1,499

           Tabulation: Freq.   Numeric  Label
                         259         1  35% or less
                         293         2  35% to 45%
                         290         3  45% to 55%
                         249         4  55% to 65%
                         381         5  65% or more
                          27         .

. log close
      name:  <unnamed>
       log:  C:\Users\exp12\OneDrive - The Pennsylvania State University\x New p
> rojects\2019 Teacher Survey\Replication Materials\Codebook.smcl
  log type:  smcl
 closed on:  28 Apr 2022, 17:06:50
```