Pre-analysis Plans: An Early Stocktaking Codebook

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Description of variables

```
## ============================================================================
##
##    papcode_a 'PAP ID'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##             Min:    1.000
##             Max:  195.000
##            Mean:   98.000
##        Std.Dev.:   56.291
##        Skewness:    0.000
##        Kurtosis:   -1.200
##
## ============================================================================
##
##    year 'Year of registration'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: integer
##    Measurement: nominal
##
##    Values and labels    N    Percent
##
##           1   '2011'    1    0.5
##           2   '2012'    2    1.0
##           3   '2013'   15    7.7
##           4   '2014'   33   16.9
##           5   '2015'   56   28.7
##           6   '2016'   88   45.1
##
## ============================================================================
##
##    registry 'Registry'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: integer
```

```
##    Measurement: nominal
##
##    Values and labels    N    Percent
##
##           1   'AEA'    91   46.7
##           2   'EGAP'  104   53.3
##
## ============================================================================
##
##    is.private 'PAP was privately registered'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: integer
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##            0   'No'    97   49.7
##            1   'Yes'   98   50.3
##
## ============================================================================
##
##    publication 'Publication status of PAP'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: integer
##    Measurement: nominal
##
##                Values and labels    N    Percent
##
##    1   'PAP with publication'      93   47.7
##    2   'PAP without publication'  102   52.3
##
## ============================================================================
##
##    type of study 'Type of Study'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: integer
##    Measurement: nominal
```

```
##
##              Values and labels    N    Percent
##
##    1   'Field
##  experiment'     123   63.1
##    2   'Lab
##  experiment'         8    4.1
##    3   'Observational
##  study'    8    4.1
##    4   'Other'                    4    2.1
##    5   'Survey
##  experiment'     52   26.7
##
## ============================================================================
##
##    clearhyp 'PAP had clear hypotheses'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##            0   'No'    20   10.3
##            1   'Yes'  175   89.7
##
## ============================================================================
##
##    morethanonehyp 'PAP specified more than one hypothesis'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'         8    4.2  4.0
##        1   'Yes'      183   95.8 92.0
##       NA M 'Missing'    4         2.0
##       NA M              4         2.0
##
```

```
## ============================================================================
##
##    morethanonehyp_unclear 'Unclear whether PAP specified more than one
##    hypothesis'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##            0   'No'   191   97.9
##            1   'Yes'    4    2.1
##
## ============================================================================
##
##    howmanyhyp 'Number of hypotheses specified'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M    26        13.3
##
##             Min:    1.000
##             Max:  854.000
##            Mean:   26.059
##        Std.Dev.:   75.622
##        Skewness:    8.643
##        Kurtosis:   85.717
##
## ============================================================================
##
##    howmanyhyp_unclear 'Number of hypotheses was unclear'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
```

```
##
##    Values and labels    N    Percent
##
##        0   'No'       159   87.4 76.4
##        1   'Yes'       23   12.6 11.1
##       NA M 'Missing'   13         6.2
##       NA M             13         6.2
##
## ================================================================================
##
##    primary 'PAP distinguished primary verus secondary hypothesis'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values   N   Percent
##
##         NA M    4       2.1
##
##             Min:   0.000
##             Max:   1.000
##            Mean:   0.435
##        Std.Dev.:   0.496
##        Skewness:   0.264
##        Kurtosis:  -1.930
##
## ================================================================================
##
##    howmanyprimary 'Number of primary hypotheses'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   111        56.9
##
##             Min:    0.000
##             Max:  122.000
```

```
##            Mean:   12.417
##       Std.Dev.:   19.746
##       Skewness:    3.604
##       Kurtosis:   14.640
##
## ============================================================================
##
##    howmanyprimary_unclear 'Number of primary hypotheses unclear'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   120        61.5
##
##            Min:   0.000
##            Max:   1.000
##           Mean:   0.040
##       Std.Dev.:   0.196
##       Skewness:   4.695
##       Kurtosis:  20.042
##
## ============================================================================
##
##    presentedpimarymainbody 'Number of primary hypotheses presented in main body
##    published paper'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   108        55.4
##
##            Min:   1.000
##            Max:  50.000
##           Mean:   6.908
##       Std.Dev.:   8.803
```

```
##        Skewness:   3.251
##        Kurtosis:  11.724
##
## ============================================================================
##
##    presentedpimarymainbody_unclear 'Number of primary hypotheses presented in
##    main body of paper unclear'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        84   97.7 27.6
##        1   'Yes'        2    2.3  0.7
##       NA M 'Missing'  109        35.9
##       NA M            109        35.9
##
## ============================================================================
##
##    presentedprimaryappendix 'Number of primary hypotheses presented in the
##    appendix of paper'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   141        72.3
##
##             Min:   0.000
##             Max:   7.000
##            Mean:   0.370
##        Std.Dev.:   1.191
##        Skewness:   3.992
##        Kurtosis:  16.960
##
## ============================================================================
##
```

```
##    presentedprimaryappendix_rev 'Number of primary hypotheses presented in the
##    appendix of paper (revised)'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   143        73.3
##
##             Min:   0.000
##             Max:   7.000
##            Mean:   0.385
##        Std.Dev.:   1.211
##        Skewness:   3.905
##        Kurtosis:  16.180
##
## ============================================================================
##
##    presentedprimaryappendix_unclear 'Number of primary hypotheses presented in
##    appendix unclear'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        52   91.2 15.6
##        1   'Yes'        5    8.8  1.5
##       NA M 'Missing'  138        41.4
##       NA M            138        41.4
##
## ============================================================================
##
##    presentedprimarysupportedmainbody 'Number of primary hypotheses presented in
##    the main body of article supported by analysis'
##
## ----------------------------------------------------------------------------
##
```

```
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   120        61.5
##
##             Min:   0.000
##             Max:  32.000
##            Mean:   3.347
##        Std.Dev.:   4.580
##        Skewness:   3.853
##        Kurtosis:  19.546
##
## ============================================================================
##
##    presentedprimarysupportedmainbody_unclear 'Unclear the number of hypotheses
##    presented in teh main body supported by analysis'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   109        55.9
##
##             Min:  0.000
##             Max:  1.000
##            Mean:  0.163
##        Std.Dev.:  0.369
##        Skewness:  1.827
##        Kurtosis:  1.337
##
## ============================================================================
##
##    presentedprimarysupportedappendix 'Number of primary hypotheses presented in
##    appendix supported by the analyis'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
```

```
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   183        93.8
##
##             Min:   0.000
##             Max:  32.000
##            Mean:   4.250
##        Std.Dev.:   8.719
##        Skewness:   2.643
##        Kurtosis:   5.584
##
## ================================================================================
##
##    presentedprimarysupportedappendix_rev 'Number of primary hypotheses
##    presented in the appendix supported by the analyis (revised)'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   184        94.4
##
##             Min:  0.000
##             Max:  9.000
##            Mean:  1.727
##        Std.Dev.:  2.562
##        Skewness:  2.024
##        Kurtosis:  3.040
##
## ================================================================================
##
##    presentedprimarysupportedappendix_unclear 'Unclear: number of primary
##    hypotheses presented in the appendix supported by the analyis'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
```

```
##
##        Values    N    Percent
##
##         NA M   183        93.8
##
##             Min:  0.000
##             Max:  1.000
##            Mean:  0.083
##        Std.Dev.:  0.276
##        Skewness:  3.015
##        Kurtosis:  7.091
##
## ================================================================================
##
##    presentedsecondarymainbody 'Number of secondary hypotheses presented in the
##    main body of the paper'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   170        87.2
##
##             Min:   0.000
##             Max:  74.000
##            Mean:   7.040
##        Std.Dev.:  14.685
##        Skewness:   3.782
##        Kurtosis:  14.341
##
## ================================================================================
##
##    presentedsecondaryappendix 'Number of secondary hypotheses presented in the
##    appendix of paper'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
```

```
##        Values    N    Percent
##
##         NA M   179        91.8
##
##             Min:  0.000
##             Max:  9.000
##            Mean:  1.500
##        Std.Dev.:  2.784
##        Skewness:  1.721
##        Kurtosis:  1.459
##
## ================================================================================
##
##    newhyp 'New hypotheses reported in published article'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        76   81.7 25.6
##        1   'Yes'       17   18.3  5.7
##       NA M 'Missing'  102        34.3
##       NA M            102        34.3
##
## ================================================================================
##
##    pointoutnew 'Author(s) acknowledge mew hypotheses'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        14   82.4  3.8
##        1   'Yes'        3   17.6  0.8
##       NA M 'Missing'  178        47.7
##       NA M            178        47.7
##
```

```
## ================================================================================
##
##    changevar 'There was change in the independent variable(s) reported in paper
##    compared to that in PAPs'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        68   93.2 21.5
##        1   'Yes'        5    6.8  1.6
##       NA M 'Missing'  122        38.5
##       NA M            122        38.5
##
## ================================================================================
##
##    describechangedepvar 'Author described change in the dependent variable(s)'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'         5   71.4  1.3
##        1   'Yes'        2   28.6  0.5
##       NA M 'Missing'  188        49.1
##       NA M            188        49.1
##
## ================================================================================
##
##    dec_var_change_description 'Description of changes in dependent variable'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: character
##    Measurement: nominal
##
##        Min:  NA
```

```
##        Max:  NA
##
## ============================================================================
##
##    clearsecdepvar 'Secondary dependent variables are clearly specified'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'         7   19.4  2.0
##        1   'Yes'       29   80.6  8.2
##       NA M 'Missing'  159        44.9
##       NA M            159        44.9
##
## ============================================================================
##
##    chansecgedepvar 'Change in secondary dependent variable in article'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels     N     Percent
##
##        0   'No'         10   100.0   2.6
##        1   'Yes'         0     0.0   0.0
##       NA M 'Missing'   185          48.7
##       NA M             185          48.7
##
## ============================================================================
##
##    describechangesecdepvar 'Author(s) indicate changes to dependent variable in
##    article'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: integer
##    Measurement: interval
```

```
##
##             Min:   Inf
##             Max:  -Inf
##            Mean:   NaN
##        Std.Dev.:   NaN
##        Skewness:   NaN
##        Kurtosis:   NaN
##
## ============================================================================
##
##    sec_dep_var_change_description 'Decription of changes to dependent variable'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: integer
##    Measurement: interval
##
##             Min:   Inf
##             Max:  -Inf
##            Mean:   NaN
##        Std.Dev.:   NaN
##        Skewness:   NaN
##        Kurtosis:   NaN
##
## ============================================================================
##
##    ncontrols 'Number of control variables specified'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M    86        44.1
##
##             Min:   0.000
##             Max:  25.000
##            Mean:   4.064
##        Std.Dev.:   5.162
##        Skewness:   1.509
##        Kurtosis:   2.520
```

```
##
## ============================================================================
##
##    ncontrols_unclear 'Unclear: number of controls specified'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'       100   55.6 47.6
##        1   'Yes'       80   44.4 38.1
##       NA M 'Missing'   15         7.1
##       NA M             15         7.1
##
## ============================================================================
##
##    ncontrolsclear 'Control variables are clearly specified'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   149        76.4
##
##             Min:   0.000
##             Max:  18.000
##            Mean:   4.022
##        Std.Dev.:   3.948
##        Skewness:   1.181
##        Kurtosis:   1.491
##
## ============================================================================
##
##    popofinterest 'PAP specifies population of interest'
##
## ----------------------------------------------------------------------------
##
```

```
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##            0   'No'    44   22.6
##            1   'Yes'  151   77.4
##
## ============================================================================
##
##    samplingframe 'PAPs specifies the sampling frame'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##            0   'No'    80   41.0
##            1   'Yes'  115   59.0
##
## ============================================================================
##
##    samplingstrategy 'PAP specifies sampling strategy'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##            0   'No'    76   39.0
##            1   'Yes'  119   61.0
##
## ============================================================================
##
##    condexclude 'PAPs specifies how units/cases will be excluded from study
##    sample'
##
## ----------------------------------------------------------------------------
##
```

```
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'       157   80.9 80.1
##        1   'Yes'       37   19.1 18.9
##       NA M 'Missing'    1         0.5
##       NA M              1         0.5
##
## ============================================================================
##
##    poweranalysis 'Power analysis is used to justify sample size'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##            0   'No'   140   71.8
##            1   'Yes'   55   28.2
##
## ============================================================================
##
##    treatmentundercontrol 'Researcher controls treatment assignment'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        19    9.9  9.5
##        1   'Yes'      172   90.1 86.4
##       NA M 'Missing'    4         2.0
##       NA M              4         2.0
##
## ============================================================================
##
##    treatmentundercontrol_unclear 'Unclear whether treatment was under
```

```
##    researcher control'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'       181   98.9 87.4
##        1   'Yes'        2    1.1  1.0
##       NA M 'Missing'   12         5.8
##       NA M             12         5.8
##
## ==============================================================================
##
##    randproc 'Specifies randomization procedure'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        76   40.2 37.8
##        1   'Yes'      113   59.8 56.2
##       NA M 'Missing'    6         3.0
##       NA M              6         3.0
##
## ==============================================================================
##
##    manipcheck 'PAP specify a manipulation check (i.e. variables to report in a
##    balance table)'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'       146   76.4 73.4
```

```
##        1   'Yes'       45   23.6 22.6
##       NA M 'Missing'    4         2.0
##       NA M              4         2.0
##
## ================================================================================
##
##    imbalance 'PAP specify what to do in the event of an imbalance'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'       144   80.4 68.2
##        1   'Yes'       35   19.6 16.6
##       NA M 'Missing'   16         7.6
##       NA M             16         7.6
##
## ================================================================================
##
##    rulesmissing 'PAP specify rules on how to handle missing values and
##    attrition'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##            0   'No'   147   75.4
##            1   'Yes'   48   24.6
##
## ================================================================================
##
##    rulesoutliers 'PAP specify rules for dealing with outliers'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
```

```
##
##    Values and labels    N    Percent
##
##            0   'No'   180   92.3
##            1   'Yes'   15    7.7
##
## ============================================================================
##
##    rulesnoncomp 'PAP specify rules for dealing with noncompliance'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'       153   87.4 71.2
##        1   'Yes'       22   12.6 10.2
##       NA M 'Missing'   20         9.3
##       NA M             20         9.3
##
## ============================================================================
##
##    followmissing 'Paper follow the pre-specified protocols with respect to
##    missing values and attrition'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels     N     Percent
##
##        0   'No'          0     0.0   0.0
##        1   'Yes'        26   100.0   7.1
##       NA M 'Missing'   169          46.4
##       NA M             169          46.4
##
## ============================================================================
##
##    followoitliers 'Paper follow the pre-specified protocols with respect to
##    dealing with outliers'
```

```
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels     N     Percent
##
##        0   'No'          0     0.0   0.0
##        1   'Yes'         7   100.0   1.8
##       NA M 'Missing'   188           49.1
##       NA M             188           49.1
##
## ==============================================================================
##
##    follownoncomp 'Paper follow the pre-specified protocols with respect to
##    noncompliance'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels     N     Percent
##
##        0   'No'          0     0.0   0.0
##        1   'Yes'        10   100.0   2.6
##       NA M 'Missing'   185           48.7
##       NA M             185           48.7
##
## ==============================================================================
##
##    statmodel 'PAP specify statistical model'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'         62   32.0 31.6
##        1   'Yes'       132   68.0 67.3
```

```
##       NA M 'Missing'    1         0.5
##       NA M              1         0.5
##
## ===============================================================================
##
##    anystatdevs 'Deviation from specified statistical model in article'
##
## -------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        59   80.8 18.6
##        1   'Yes'       14   19.2  4.4
##       NA M 'Missing'  122        38.5
##       NA M            122        38.5
##
## ===============================================================================
##
##    statdevspointedout 'Author(s) points out deviation from pre-specified
##    statistical model'
##
## -------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        13   92.9  3.5
##        1   'Yes'        1    7.1  0.3
##       NA M 'Missing'  181        48.1
##       NA M            181        48.1
##
## ===============================================================================
##
##    statdevdescr 'Description of changes to the statistical model'
##
## -------------------------------------------------------------------------------
##
##    Storage mode: character
```

```
##    Measurement: nominal
##
##        Min:  NA
##        Max:  NA
##
## ================================================================================
##
##    stderrors 'PAP state how standard errors will be treated (robust,
##    clustering, bootstrapping,or other techniques)'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'       116   63.0 56.3
##        1   'Yes'       68   37.0 33.0
##       NA M 'Missing'   11         5.3
##       NA M             11         5.3
##
## ================================================================================
##
##    multipletest 'PAP specify a multiple testing adjustment'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'       142   77.2 68.9
##        1   'Yes'       42   22.8 20.4
##       NA M 'Missing'   11         5.3
##       NA M             11         5.3
##
## ================================================================================
##
##    difinmeans 'PAP commit the researchers to presenting a simple
##    difference-in-means test'
##
```

```
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##            0   'No'   159   81.5
##            1   'Yes'   36   18.5
##
## ==============================================================================
##
##    onetailed 'Specify whether the test will be one-tailed or two-tailed'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        23   63.9  6.5
##        1   'Yes'       13   36.1  3.7
##       NA M 'Missing'  159        44.9
##       NA M            159        44.9
##
## ==============================================================================
##
##    covars 'Specifies whether and how covariates will be included in analysis'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        16   36.4  4.6
##        1   'Yes'       28   63.6  8.1
##       NA M 'Missing'  151        43.6
##       NA M            151        43.6
##
## ==============================================================================
```

```
##
##    whenregistered 'Stage in the research process when PAPs was filed'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: character
##    Measurement: nominal
##
##        Min:  NA
##        Max:  NA
##
## ==============================================================================
##
##    evergated 'PAP was gated or private'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##            0   'No'   102   52.3
##            1   'Yes'   93   47.7
##
## ==============================================================================
##
##    updated 'PAPs was updated'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##             Min:  0.000
##             Max:  2.000
##            Mean:  0.123
##        Std.Dev.:  0.344
##        Skewness:  2.667
##        Kurtosis:  6.347
##
## ==============================================================================
##
```

```
##    howmanyupdates 'Number of updates'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   142        72.8
##
##             Min:  0.000
##             Max:  7.000
##            Mean:  0.981
##        Std.Dev.:  1.677
##        Skewness:  1.903
##        Kurtosis:  2.713
##
## ==============================================================================
##
##    clearchanges 'Changes to PAPs were clearly marked'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'          6   27.3  1.6
##        1   'Yes'        16   72.7  4.3
##       NA M 'Missing'   173        47.0
##       NA M             173        47.0
##
## ==============================================================================
##
##    irb 'Specifies study has received IRB approval'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
```

```
##    Values and labels    N    Percent
##
##        0   'No'        61   31.6 31.0
##        1   'Yes'      132   68.4 67.0
##       NA M 'Missing'    2         1.0
##       NA M              2         1.0
##
## ================================================================================
##
##    sop 'Pre-specify what will guide their decisions when issues arise that were
##    notanticipated in the PAP (i.e., the SOPs described in Lin and Green 2015)'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'       188   96.9 95.9
##        1   'Yes'        6    3.1  3.1
##       NA M 'Missing'    1         0.5
##       NA M              1         0.5
##
## ================================================================================
##
##    pages 'Number of pages of PAP in single space'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values   N   Percent
##
##         NA M    1       0.5
##
##             Min:    1.000
##             Max:  103.000
##            Mean:   15.338
##        Std.Dev.:   16.009
##        Skewness:    3.275
##        Kurtosis:   13.590
```

```
##
## ============================================================================
##
##    descriptionofchanges 'Description of changes to PAP'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: character
##    Measurement: nominal
##
##        Min:  NA
##        Max:  NA
##
## ============================================================================
##
##    datalink 'Paper provided a link to data set'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'        78   85.7 26.1
##        1   'Yes'       13   14.3  4.3
##       NA M 'Missing'  104        34.8
##       NA M            104        34.8
##
## ============================================================================
##
##    dofilelink 'PAPs included do file'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   104        53.3
##
##             Min:  0.000
```

```
##             Max:  1.000
##            Mean:  0.176
##        Std.Dev.:  0.381
##        Skewness:  1.703
##        Kurtosis:  0.901
##
## ================================================================================
##
##    instruments 'PAP included survey or research instrument'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##     0   'No'           45   50.0 15.0
##     1   'Yes'          44   48.9 14.7
##    NA M 'Missing'     105        35.0
##         (unlab.val.)    1    1.1  0.3
##    NA M               105        35.0
##
## ================================================================================
##
##    comment 'Additional comment on coding'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: character
##    Measurement: nominal
##
##        Min:  NA
##        Max:  NA
##
## ================================================================================
##
##    coder 'Coder'
##
## --------------------------------------------------------------------------------
##
##    Storage mode: character
##    Measurement: nominal
```

```
##
##        Min:  PI
##        Max:  RA
##
## ============================================================================
##
##    primary_secondary_hyp_maintained 'Distinction between primary and secondary
##    hypotheses was maintained in article'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'         3    8.1  0.8
##        1   'Yes'       34   91.9  9.6
##       NA M 'Missing'  158        44.8
##       NA M            158        44.8
##
## ============================================================================
##
##    clearindvar 'Primary independent/treatment is clearly specified'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##            0   'No'    13    6.7
##            1   'Yes'  182   93.3
##
## ============================================================================
##
##    changeindvar 'Primary independent/treatment was changed in article'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
```

```
##
##    Values and labels    N    Percent
##
##        0   'No'        87   95.6 29.1
##        1   'Yes'        4    4.4  1.3
##       NA M 'Missing'  104        34.8
##       NA M            104        34.8
##
## ============================================================================
##
##    describechangeindvar 'Author(s) described changes in the independent
##    variable'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: interval
##
##        Values    N    Percent
##
##         NA M   191        97.9
##
##             Min:  0.000
##             Max:  0.000
##            Mean:  0.000
##        Std.Dev.:  0.000
##        Skewness:    NaN
##        Kurtosis:    NaN
##
## ============================================================================
##
##    dec_indvar_change_description 'Description of changes in the independent
##    variable'
##
## ----------------------------------------------------------------------------
##
##    Storage mode: character
##    Measurement: nominal
##
##        Min:  NA
##        Max:  NA
##
## ============================================================================
```

```
##
##    seconddepvarsclear 'Secondary dependent variable clearly specified'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##        0   'No'         12   35.3  3.4
##        1   'Yes'        22   64.7  6.2
##       NA M 'Missing'   161        45.2
##       NA M             161        45.2
##
## ==============================================================================
##
##    ncontrolclear 'Number of controls clearly specified'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
##     0   'No'            10   28.6  2.8
##     1   'Yes'            1    2.9  0.3
##    NA M 'Missing'      160        45.1
##          (unlab.val.)   24   68.6  6.8
##    NA M                160        45.1
##
## ==============================================================================
##
##    cleardepvar 'Primary dependent variabe was specified sufficiently clearly'
##
## ------------------------------------------------------------------------------
##
##    Storage mode: double
##    Measurement: ordinal
##
##    Values and labels    N    Percent
##
```

```
##            0   'No'    45   23.1
##            1   'Yes'  150   76.9
```