STATISTICAL DATABASE CODEBOOK

Organizational Adaptation, Task Complexity, and Effective Administration of Unemployment Programs in the American States

(*Version 07/14/2024*)

Variable Name: Description

STATE-MONTH IDENTIFIERS

state State Name.

st_postal The two-letter FIPS state abbreviation.

stateid Numerical Identifier for State Name.

year Year, ranging from 2002 to 2023.

month Month (January – December).

monthnum Month in numerical format, ranging from 1 to 12.

monthyear Month-Year Identifier 'time counter' based linear trend in numerical format for each time series observation per state panel [Starting with "1" (January 2002) and ending with "260" (August 2023)].

DEPENDENT VARIABLES

totalerror_rat Total error rate. Measured as the sum of **t1error_rat** (type I error rate) and **t2error_rat** (type II error rate), sample weighted. This measure only includes errors that are attributable to state UIP agencies.

$$\left(\frac{Overpayment\ Error}{Paid\ Claims\ Sample}\right)+\left(\frac{Underpayment\ Error}{Paid\ Claims\ Sample}\right)+\left(\frac{Underpayment\ Error}{Denied\ Claims\ Sample}\right)+\left(\frac{Erroneous\ Denial}{Denied\ Claims\ Sample}\right)$$

t1error_rat Total Type I error rate. Computed as **errtype1_agencyct/ totalct_pc.** This measure only includes errors that are attributable to state UIP agencies.

$$\left(\frac{Overpayment\ Error}{Paid\ Claims\ Sample}\right)$$

abst2error_rat Total Type II error rate (sample weighted). Measured as the sum of **t2error_pcrat** (type II error rate in the paid claims sample) and **t2error_dcrat** (type II error rate in the denied claims sample). This measure only includes errors that are attributable to state UIP agencies.

$$\left(\frac{Underpayment\ Error}{Paid\ Claims\ Sample}\right)+\left(\frac{Underpayment\ Error}{Denied\ Claims\ Sample}\right)+\left(\frac{Erroneous\ Denial}{Denied\ Claims\ Sample}\right)$$

rel2error_rat Relative Type II error rate (sample weighted). Computed as the total type II error rate (**abst2error_rat**) over the total error rate (**totalerror_rat**). This measure only includes errors that are attributable to state UIP agencies.

$$\frac{Type\ II\ Error\ Rate}{[Type\ I\ Error\ Rate+\ \ Type\ II\ Error\ Rate]}=\frac{abst2error_rat}{[abst2error_rat+t1error_rat]}$$

totalaccuracy_rat Total accuracy rate (sample weighted). Measured as the sum of the proportion of payments without any agency error in the paid claims sample and the proportion of payments without any agency error in the denied claims sample. Computed as the sum of **correct_pc_agencyct/totalct_pc** and **correct_dc_agencyct/totalct_dc.**

$$\left(\frac{Correct\ Payment}{Paid\ Claims\ Sample}\right)+\left(\frac{Correct\ Denial}{Denied\ Claims\ Sample}\right)$$

t2underp_pcrat Type II error rate in the paid claims sample. This measure only includes errors that are attributable to state UIP agencies.

$$\left(\frac{Underpayment\ Error}{Paid\ Claims\ Sample}\right)$$

t2error_dcrat Type II error rate in the denied claims sample. This measure only includes errors that are attributable to state UIP agencies. {APPENDIX E ONLY}

$$\left(\frac{Underpayment\ Error}{Denied\ Claims\ Sample}\right)+\left(\frac{Erroneous\ Denial}{Denied\ Claims\ Sample}\right)$$

t2underp_dcrat Type II error rate for only underpayment errors in the denied claims sample. This measure only includes errors that are attributable to state UIP agencies.

$$\left(\frac{Underpayment\ Error}{Denied\ Claims\ Sample}\right)$$

t2denial_dcrat Type II error rate for only erroneous denials in the denied claims sample. This measure only includes errors that are attributable to state UIP agencies. {APPENDIX E ONLY}

$$\left(\frac{Erroneous\ Denial}{Denied\ Claims\ Sample}\right)$$

totalct_pc Total number of cases in the paid claims sample in a given state-month.

	Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*
totalct_dc	Total number of cases in the denied claims sample in a given state-month. *Source:* *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*
errtype1_agencyct	Total number of cases with Type I errors (overpayment) that are attributable to the state UIP agency in the paid claims sample in a given state-month. *Source:* *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*
errtype2_pc_agencyct	Total number of cases with Type II errors (underpayment) that are attributable to the state UIP agency in the paid claims sample in a given state-month. *Source:* *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*
err_agencyct_dc	Total number of cases with Type II errors (either underpayment or erroneous denial) that are attributable to the state UIP agency in the denied claims sample in a given state-month. *Source:* *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*
t2underp_agencyct	Total number of cases with Type II underpayment errors that are attributable to the state UIP agency in the denied claims sample in a given state-month.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

t2denial_agencyct Total number of cases with Type II erroneous denial errors that are attributable to the state UIP agency in the denied claims sample in a given state-month.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

correct_pc_agencyct Total number of correct payment cases in the paid claims sample in a given state-month.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

correct_dc_agenyct Total number of correct payment cases in the denied claims sample in a given state-month.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

errboth_agencyct Total number of cases with both Type I and Type II errors (overpayment for partial weeks and underpayment for other partial weeks) that are attributable to the state UIP agency in the paid claims sample in a given state-month.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

Note: *Denied claims sample consists of either Type II error or no error.*

botherrors_rat Proportion of cases with both Type I and Type II errors (overpayment for partial weeks and underpayment for other partial weeks) that are attributable to the state UIP agency in the paid claims sample in a

given state-month.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

Note: *Denied claims sample consists of either Type II error or no error.*

t1_agencyamt_month Total amount of Type I errors that are attributable to the state UIP agency in the paid claims sample in a given state-month.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

t1_avgamt Average amount of Type I errors that are attributable to the state UIP agency in the paid claims sample in a given state-month. Computed as **t1_agencyamt_month/ errtype1_agencyct.**

t1_avgamt_real Average amount of Type I errors that are attributable to the state UIP agency in the paid claims sample in a given state-month (in real dollar amount). Computed as **t1_agencyamt_month/(cpi2010june/100).**

cpi2010june Consumer Price Index (Seasonally Adjusted). Base period is 2010 June.

Source: *Bureau of Labor Statistics. Consumer Price Index for All Urban Consumers (CPI-U). https://beta.bls.gov/dataViewer/view/timeseries/CUSR0000SA0*

'ORGANIZATIONAL ADAPTATION' COVARIATES

itmod_projectstart String variable indicating the specific month-year when IT modernization is under development prior to activation (project start date of the state UIP agency's IT Modernization reform).

Source: *Compiled by authors from various online sources. A comprehensive list is available upon request from the authors.*

itmod_projectstartmonth A time counter variable that equals "1" for the first month of IT modernization project in state *i*, *monthyear t*; …….; "*m*" for the m^{th} month of IT modernization project prior to activation of the IT system observed in state *i*, year *t*.

itmod_adoption String variable indicating the specific month-year when IT modernization is activated with citizen access.

Source: *Compiled by authors from various online sources. A comprehensive list is available upon request from the authors.*

itmod_adopt_state A binary indicator of "1" if the state has implemented IT modernization reform in between the sample period, 2002 January – 2022 June.

Source: *Compiled by authors from various online sources. A comprehensive list is available upon request from the authors.*

itmod_monthcount A time counter variable that equals "0" before the activation of IT modernization in state *i*, *monthyear t*; "1" for the first month of IT modernization in state *i*, *monthyear t*; …….; "*m*" for the m^{th} month of IT modernization observed in state *i*, year *t*;

Source: *Compiled by authors from various online sources. A comprehensive list is available upon request from the authors.*

itmod_vendor The name of vendor that signed contract with the state UI agency for the IT modernization.

Source: *Compiled by authors from various online sources. A comprehensive list is available upon request from the authors.*

itmod_vendor_id Numerical Identifier for Vendor Name. Basis for Vendor Unit Effects.

itmod_start_adopt Categorical variable indicating the progress of IT modernization reform in a given monthyear **t** state **i**.

- **0:** Pre-Project Start Date & Pre-Launch Date
- **1:** Post-Project Start Date & Pre-Launch Date
- **2:** Post-Project Start Date & Post-Launch Date

projectduration Project duration computed as the total number of months spent on IT modernization project prior to the go-live month.

'TASK COMPLEXITY' COVARIATES

tot_ interstate **Proportion of claims involving Inter-State Claimants based on a sample-weighted average of Paid Claims and Denied Claims samples, respectively. [Total Program Error Rate & Type II Program Error Rate Models].** Monthly

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

t1_ interstate **Proportion of claims involving Inter-State Claimants based on Paid Claims sample. [Type I Program Error Rate Models].** Monthly.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022]*

dt2_ interstate **Proportion of claims involving Inter-State Claimants based on Denied Claims sample. ['Disaggregate' Type II Program Error Rate Models].** Monthly. **APPENDIX E ONLY**

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

tot_ extbenefits **Proportion of claims involving Extended Benefit Program Recipient Claimants based on a sample-weighted average of**

Paid Claims and Denied Claims samples, respectively. [Total Program Error Rate & Type II Program Error Rate Models]. Monthly

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

t1_ extbenefits **Proportion of claims involving Extended Benefit Program Recipient Claimants based on Paid Claims sample. [Type I Program Error Rate Models].** Monthly.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

dt2_ extbenefits **Proportion of claims involving Extended Benefit Program Recipient Claimants based on Denied Claims sample. ['Disaggregate' Type II Program Error Rate Models].** Monthly. **APPENDIX E ONLY**

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

tot_ diffoccupseek **Proportion of claims involving Different Occupation Seeking Claimants based on a sample-weighted average of Paid Claims and Denied Claims samples, respectively. [Total Program Error Rate & Type II Program Error Rate Models].** Monthly

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

t1_ diffoccupseek **Proportion of claims involving Different Occupation Seeking Claimants based on Paid Claims sample. [Type I Program Error Rate Models].** Monthly.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement*

Survey. Publicly available upon request [Retrieval Date: 08/22/2022].

dt2_ diffoccupseek **Proportion of claims involving Different Occupation Seeking Claimants based on Denied Claims sample. ['Disaggregate' Type II Program Error Rate Models].** Monthly.
APPENDIX E ONLY

Source: U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].

interstate_pc_ct Total number of claims involving Inter-State Claimants based on Paid Claims sample. Monthly.

Source: U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].

extended_pc_ct Total number of claims involving Extended Benefit Program Recipient Claimants based on Paid Claims sample. Monthly.

Source: U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].

diffocc_pc_ct Total number of claims involving Different Occupation Seeking Claimants based on Paid Claims sample.

Source: U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].

interstate_dc_ct Total number of claims involving Inter-State Claimants based on Denied Claims sample. Monthly.

Source: U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].

extended_dc_ct Total number of claims involving Extended Benefit Program Recipient Claimants based on Denied Claims sample. Monthly.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

diffocc_dc_ct Total number of claims involving Different Occupation Seeking Claimants based on Denied Claims sample.

Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*

CONTROL COVARIATES

govparty Governor's political party. Categorical variable indicating political affiliation of the governor in each state. Annual.

- **1** : D (Democrat)
- **0** : I (Independent)
- **−1** : R (Republican)

Source: *The Book of the States. 2002-2021.*

demgovparty Democratic Governor Binary Indicator. Annual.

- **1**: Democratic Governor
- **0** : Otherwise (Independent or Republican Governor)

Source: *The Book of the States. 2002-2021.*

repgovparty Republican Governor Binary Indicator. Annual.

- **1**: Republican Governor
- **0** : Otherwise (Independent or Democratic Governor)

Source: *The Book of the States. 2002-2021.*

electionyear Binary indicator of "1" if there is a gubernatorial election in a given state for a given year, "0" otherwise. Annual.

Source: *The Book of the States. 2002-2021.*

workload Total number of initial claims. Monthly.

Source: *ETA-5159 Report.*
https://oui.doleta.gov/unemploy/DataDownloads.asp.

ln_workload Natural Logarithm of ***workload*** variable. Monthly.

Source: *ETA-5159 Report.*
https://oui.doleta.gov/unemploy/DataDownloads.asp.

agencypersonnel Total number of staff. Annual.

Source: *U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2022)*

automationrate Estimated proportion of claims filed through internet.

Source: *Benefit Accuracy Measurement Survey. Publicly accessible upon request.*

uiadmin_budget_nominal Total amount of UI administrative expenditure used by state agencies, in current dollars within a given year. Annual.

Source: *U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2022)*

uiadmin_budget_real Inflation-adjusted amount of total UI administrative expenditure used by state agencies within a given year. In real dollars, adjusted by GDP deflator.

= (uiadmin_budget_nominal)/(gdp/100)

benefitgenerosity1 The ratio of the average weekly UI benefit paid to the average weekly wage of an insured worker (Benefits Generosity by State Law). Annual.

Source: ETA-5159 Claims and Payment Activities Report. https://oui.doleta.gov/unemploy/DataDownloads.asp

benefitgenerosity2 The percentage of claimants whose regular weekly benefit amount (WBA) for a period of total unemployment is the maximum under the state law (%) (Actual Benefits Generosity). Annual. (***Compton, et al 2023 employ this measure***).

Source: ETA-218 Benefits Rights Experience Report. https://oui.doleta.gov/unemploy/DataDownloads.asp.

econideol_median State economic policy liberalism: posterior median. Higher values indicate greater liberalism**.** Annual. 2022, 2023 not available

Source: Warshaw, C. and Caughey, D. " Mass Ideology and Policy Liberalism of American States from 1936-2020," http://www.chriswarshaw.com/data.php

Note: 2021 data was retrieved by request from authors (Retrieval Date: 10/28/2022)

unemp_rate Average unemployment rates of a given state, seasonally adjusted within a given state-month. In percentages (%). Monthly.

Source: U.S. Bureau of Labor Statistics- Local Area Unemployment Statistics. 2002-2023. https://download.bls.gov/pub/time.series/la/la.data.2.AllStates

gov_name Name of the state governor in a given year.

Source: National Governors Association, https://www.nga.org/former-governors.

gov_tenure Number of months that the governor has been in office in a given state for a given month-year.

Source: National Governors Association, https://www.nga.org/former-governors.

gov_biz Binary variable indicating whether the governor has a business background of serving in an executive position (CEO, President, Chairman, Partner Founder, Principal, and Owner/Co-Owner) in business.

Source: Compiled by the authors from online biographical sources. A comprehensive list is available upon request from the authors.

agencyhead_name Name of the state unemployment insurance agency head in a given year.

Source: Compiled by the authors from online biographical sources. A comprehensive list is available upon request from the authors.

agencyhead_tenure Number of months that the state UIP agency head has been in office in a given state for a given month-year.

Source: Compiled by the authors from online biographical sources. A comprehensive list is available upon request from the authors.

agencyhead_biz Binary variable indicating whether the agency head has a business background of serving in an executive position (CEO, President, Chairman, Partner Founder, Principal, and Owner/Co-Owner) in a business.

Source: Compiled by the authors from online biographical sources. A comprehensive list is available upon request from the authors.

'MANAGERIAL AND OPERATIONAL' COVARIATES ["RJM" VARIABLES]

Note 1: *The original RJM (Resource Justification Model State Budget Document submitted to U.S. Dept. of Labor each year) data consists of the following ten*

functional categories: Initial Claims Processing, Non-Monetary Determinations, Weeks Claimed, Wage Records, Tax, Appeals, Benefit Payment Control, UI Performs, Support, and AST. Among these functions, we include only functional activities that are 'directly' involved in the sequential procedure, starting from the claimant filing an initial claim to the receipt of the first payment, which are 'initial claims processing', 'non-monetary determinations', and 'support' functions. For more information about each functional category, see ET HANDBOOK NO. 410 (6th Ed.) Appendix C (https://www.dol.gov/sites/dolgov/files/ETA/advisories/UIPL/2019/UIPL_2-20_Attachment_1.pdf).

Note 2: *Variables include the following four items by each functional category.*

(i) Total hours worked.

(ii) Total number of positions.

(iii) Total salary

(iv) Average salary per position

*RJM Data for FY2023 is not available until June 2024.

gov_deflator Deflator. Price index for government consumption expenditures and gross investment (Base year 2017).. 2023 not available

Source: Bureau of Economic Analysis. Price Index for Government Consumption Expenditures and Gross Investment https://apps.bea.gov/iTable/?reqid=19&step=3&isuri=1&1921=survey&1903=13

fy Fiscal year of a given state-month (format YYYY).

fy_startenddate A string variable indicating the first and last month of a fiscal year in a given state.

Function Category 1: Initial Claims (IC)

function_ic_hrs Total number of hours worked for initial claims processing.

Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model,"

	https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)
function_ic_pos	Total number of positions worked for initial claims processing. *Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)*
function_ic_totsal	Total amount of salary for positions worked for initial claims processing in each state within a given year (current dollars). *Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)*
function_ic_avgsal	Average amount of salary for initial claims processing per position in each state within a given year (current dollars). *Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)*
function_ic_totsalreal	Total amount of salary for positions worked for initial claims processing in each state within a given year (real dollars). *Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)*
function_ic_avgsalreal	Average amount of salary for initial claims processing per position in each state within a given year (real dollars). *Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)*

Function Category 2: Non-Monetary Determinations (NMD)

function_nmd_hrs	Total number of hours worked for non-monetary determinations.

Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)

function_nmd_pos Total number of positions worked for non-monetary determinations.

Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)

function_nmd_totsal Total amount of salary for positions worked for non-monetary determinations in each state within a given year (current dollars).

Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)

function_nmd_avgsal Average amount of salary for non-monetary determinations per position in each state within a given year (current dollars).

Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)

function_nmd_totsalreal Total amount of salary for positions worked for non-monetary determinations in each state within a given year (real dollars).

Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)

function_nmd_avgsalreal Average amount of salary for non-monetary determinations per position in each state within a given year (real dollars).

Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)

Function Category 3: Management (SUP)

function_sup_hrs	Total number of hours worked for administration and supervision of the UI program. *Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)*
function_sup_pos	Total number of positions worked for administration and supervision of the UI program. *Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)*
function_sup_totsal	Total amount of salary for positions worked for administration and supervision of the UI program in each state within a given year (current dollars). *Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)*
function_sup_avgsal	Average amount of salary for administration and supervision of the UI program per position in each state within a given year (current dollars). *Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)*
function_sup_totsalreal	Total amount of salary for positions worked for administration and supervision of the UI program in each state within a given year (real dollars). *Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)*

function_sup_avgsalreal Average amount of salary for administration and supervision of the UI program per position in each state within a given year (real dollars).

Source: U.S. Department of Labor Employment and Training Administration. "Resource Justification Model," https://oui.doleta.gov/rjm/ (Retrieval Date: 10/16/2023)

pcsampsize_monthly Total number of cases in the paid claims sample in a given state-month.

Source: U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].

pcnonwhite_monthly Total number of non-white claimants in the paid claims sample in a given state-month.

Source: U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].

pcfemale_monthly Total number of female claimants in the paid claims sample in a given state-month.

Source: U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].

pcageu25o65 Total number of claimants whose ages are under 25 or above 65 in the paid claims sample in a given state-month.

Source: U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].

dcsampsize_monthly Total number of cases in the denied claims sample in a given state-month.

dcnonwhite_monthly Total number of non-white claimants in the denied claims

	sample in a given state-month.
dcfemale_monthly	Total number of female claimants in the denied claims sample in a given state-month.
dcageu25o65	Total number of claimants whose ages are under 25 or above 65 in the denied claims sample in a given state-month.
pcnonwhite_rat	Proportion of nonwhite claimants in the paid claims sample in a given state-month. Computed as **pcnonwhite_monthly/ pcsampsize_monthly**
dcnonwhite_rat	Proportion of nonwhite claimants in the denied claims sample in a given state-month. Computed as **dcnonwhite_monthly/ dcsampsize_monthly**
pcfemale_rat	Proportion of female claimants in the paid claims sample in a given state-month. Computed as **pcfemale_monthly/ pcsampsize_monthly**
dcfemale_rat	Proportion of female claimants in the denied claims sample in a given state-month. Computed as **dcfemale_monthly/ dcsampsize_monthly**
pcageu25o65_rat	Proportion of claimants whose ages are under 25 or above 65 in the paid claims sample in a given state-month. Computed as **pcageu25o65/ pcsampsize_monthly**
dcageu25o65_rat	Proportion of claimants whose ages are under 25 or above 65 in the denied claims sample in a given state-month. Computed as **dcageu25o65/ dcsampsize_monthly**
tot_totalnonwhite_rat	Sample weighted proportion of nonwhite claimants in the paid claims and denied claims sample in a given state-month. Computed as the sum of **pcnonwhite_rat** and **dcnonwhite_rat for the paid claim and denied claims samples, respectively. [Total Error Rate & Type II Error Rate Models]**

t1_totalnonwhite_rat Sample weighted proportion of nonwhite claimants in the paid claims sample in a given state-month. Computed as **pcnonwhite_rat in the paid claims sample. [Type I Error Rate Models]**

dt2_totalnonwhite_rat Sample weighted proportion of nonwhite claimants in the denied claims sample in a given state-month. Computed as **dcnonwhite_rat in the denied claims sample. ['Disaggregate' Type II Error Rate Models]. APPENDIX E ONLY**

tot_totalfemale_rat Sample weighted proportion of female claimants in the paid claims and denied claims sample in a given state-month. Computed as the sum of **pcfemale_rat** and **dcfemale_rat for the paid and denied claims samples, respectively. [Total Error Rate & Type II Error Rate Models]**

t1_totalfemale_rat Sample weighted proportion of female claimants in the paid claims sample in a given state-month. Computed as **pcfemale_rat for the paid claims sample. [Type I Error Rate Models]**

dt2_totalfemale_rat Sample weighted proportion of female claimants in the paid claims and denied claims sample in a given state-month. Computed as **dcfemale_rat for the denied claims sample. ['Disaggregate' Type II Error Rate Models] APPENDIX E ONLY**

tot_totalageu25o65_rat Sample weighted proportion of claimants whose ages are below 25 or above 65 in the paid claims and denied claims sample in a given state-month. Computed as the sum of **pcageu25o65_rat** and **dcageu25o65_rat for the paid and denied claims samples, respectively. [Total Error Rate & Type II Error Rate Models]**

t1_totalageu25o65_rat Sample weighted proportion of claimants whose ages are below

	25 or above 65 in the paid claims and denied claims sample in a given state-month. Computed as the sum of **pcageu25o65_rat for the paid claims sample. [Type I Error Rate Models]**
dt2_totalageu25o65_rat	Sample weighted proportion of claimants whose ages are below 25 or above 65 in the paid claims and denied claims sample in a given state-month. Computed as the sum of **dcageu25o65_rat for the denied claims sample. ['Disaggregate' Type II Error Rate Models]. APPENDIX E ONLY**
pcpopsize_monthly	Total number of claimants receiving UI benefits in a given state-month. Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*
popsampamt_monthly	Total amount of UI benefits paid by state UIP agency in a given state-month sample, in nominal US dollars. Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*
pcpopamt_monthly	Total amount of UI benefits paid by state UIP agency in a given state-month population, in nominal US dollars. Source: *U.S. Department of Labor. Benefit Accuracy Measurement Survey. Publicly available upon request [Retrieval Date: 08/22/2022].*
pcsamp_avgamt	Average amount of UI benefits per claimant in a given state-month sample, in nominal US dollars, computed as **popsampamt_monthly/pcsampsize_monthly.**
pcsamp_avgamt_real	Average amount of UI benefits per claimant in a given state-month sample, in real US dollars, computed as **popsampamt_monthly/pcsampsize_monthly** divided by

cpi2010june/100**.**

pcpopamt_monthly_real Average amount of UI benefits per claimant in a given state-month population, in real US dollars, computed as **pcpopamt_monthly/pcpopsize_monthly** divided by **cpi2010june/**100**.**