LEHD Public Use Data Schema for J2J Explorer (beta) V4.2b-draft

Contents

(Printable version)

Important
This document is not an official Census Bureau publication. It is compiled from publicly accessible information by Lars Vilhuber (Labor Dynamics Institute, Cornell University). Feedback is welcome. Please write us at lars.vilhuber@cornell.edu.

1 Purpose

The public-use Job-to-Job Flows (J2J) data provided by the Longitudinal Employer-Household Dynamics Program are accessible through the J2J Explorer (beta). This document provides information on the schema used to format files downloaded through that application.

2 Additional information

The complete LEHD schema is documented in lehd_public_use_schema.pdf. LEHD-provided SHP files are separately described in lehd_shapefiles.pdf. The naming conventions of the data files is documented in lehd_csv_naming.pdf.

3 Extends

This is the first version of the schema for the J2J Explorer (beta) application.

4 Supersedes

No prior version.

5 Basic Schema

Each data file is structured as a CSV file. The first columns contain [identifiers], subsequent columns contain [indicators], followed by status flags.

5.1 Generic structure

Column name
[Identifier1]
[Identifier2]
[Identifier3]
[. . .]
[Indicator 1]
[Indicator 2]
[Indicator 3]
[. . .]
[Status Flag 1]
[Status Flag 2]
[Status Flag 3]
[. . .]

Note: The J2J Explorer (beta) provides the full set of J2J indicators in addition to two composite Origin-Destination indicators. Files downloadable through other means may be structured differently, please consult the complete LEHD schema in lehd_public_use_schema.pdf.

5.2 Identifiers

Records, unless otherwise noted, are parts of time-series data. Unique record identifiers are noted below, by file type. Identifiers without the year and quarter component can be considered a series identifier.

5.2.1 Identifiers for j2j

(lehd_identifiers_j2j.csv)

Variable	Type	label
periodicity	Char(1)	Periodicity of report
seasonadj	Char(1)	Seasonal Adjustment Indicator
geo_level	Char(1)	Group: Geographic level of aggregation
geography	Char(8)	Group: Geography code
ind_level	Char(1)	Group: Industry level of aggregation
industry	Char(5)	Group: Industry code
ownercode	Char(3)	Group: Ownership group code
sex	Char(1)	Group: Gender code
agegrp	Char(3)	Group: Age group code (WIA)
race	Char(2)	Group: race
ethnicity	Char(2)	Group: ethnicity
education	Char(2)	Group: education
firmage	Char(1)	Group: Firm Age group
firmsize	Char(1)	Group: Firm Size group
year	Num	Time: Year
quarter	Num	Time: Quarter
agg_level	Num	Aggregation Level Indicator

5.2.2 Identifiers for j2jod

(lehd_identifiers_j2jod.csv)

Variable	Type	label
periodicity	Char(1)	Periodicity of report
seasonadj	Char(1)	Seasonal Adjustment Indicator
geo_level	Char(1)	Group: Geographic level of aggregation of destination job
geography	Char(8)	Group: Geography code of destination job
ind_level	Char(1)	Group: Industry level of aggregation of destination job
industry	Char(5)	Group: Industry code of destination job
ownercode	Char(3)	Group: Ownership group code of destination job
sex	Char(1)	Group: Gender code
agegrp	Char(3)	Group: Age group code (WIA)
race	Char(2)	Group: race
ethnicity	Char(2)	Group: ethnicity
education	Char(2)	Group: education
firmage	Char(1)	Group: Firm Age group
firmsize	Char(1)	Group: Firm Size group
year	Num	Time: Year
quarter	Num	Time: Quarter
agg_level	Num	Aggregation Level Indicator
geo_level_orig	Char(1)	Group: Geographic level of aggregation of origin job
geography_orig	Char(8)	Group: Geography code of origin job
ind_level_orig	Char(1)	Group: Industry level of aggregation of origin job
industry_orig	Char(5)	Group: Industry code of origin job
ownercode_orig	Char(3)	Group: Ownership group code of origin job
firmage_orig	Char(1)	Group: Firm Age group of origin job
firmsize_orig	Char(1)	Group: Firm Size group of origin job

5.3 Indicators

The following tables and associated mapping files list the indicators available on each file. The *'Indicator Variable'* is the short name of the variable on the CSV files, suitable for machine processing in a wide variety of statistical applications. When given, the *'Alternate name'* may appear in related documentation and articles. The *'Status Flag'* is used to indicate publication or data quality status (see Status Flags). The *'Indicator Name'* is a more verbose name for the indicator. The *'Description'* provides a complete description of the indicator. *'Units'* identify the type of variable: counts, rates, monetary amounts. *'Concept'* classifies each indicator in a descriptive category: employment, hire, separation, earnings, or flow. The *'Base'* indicates the denominator used to compute the statistic, and may be *1*.

(variables_j2japp.csv)

Indicator Variable	Alternate Name	Status Flag	Indicator Name	Description	Units	Concept	Base
MHire	all_doma2	sMHire	Hires	Hires into a worker's main job	Count	Hire	1
MSep	all_doms2	sMSep	Separations	Separations from a worker's main job	Count	Separation	1
MJobStart	first_dome	sMJobStart	Main Job Starts	New main jobs due to hires and instances when a previously existing secondary job becomes the main source of earnings	Count	Hire	1
MJobEnd	last_domb	sMJobEnd	Main Job Ends	End of main jobs due to separations and instances when another job becomes the main source of earnings	Count	Separation	1
EEHire	ee_doma2	sEEHire	Job-to-Job Hires (Continuous Employment)	Hires following a separation with no observed nonemployment spell	Count	Hire	1
EESep	ee_doms2	sEESep	Job-to-Job Separations (Continuous Employment)	Separations followed by a hire with no observed nonemployment spell	Count	Separation	1
AQHire	aq_doma2	sAQHire	Job-to-Job Hires (Brief Nonemployment)	Hires following a separation with a short nonemployment spell	Count	Hire	1
AQSep	aq_doms2	sAQSep	Job-to-Job Separations (Brief Nonemployment)	Separations followed by a hire with a short nonemployment spell	Count	Separation	1
J2JHire	j2j_doma2	sJ2JHire	Job-to-Job Hires	Hires following a separation (short or no observed nonemployment spell)	Count	Hire	1
J2JSep	j2j_doms2	sJ2JSep	Job-to-Job Separations	Separations followed by a hire (short or no observed nonemployment spell)	Count	Separation	1
NEHire	ne_doma2	sNEHire	Hires from Nonemployment	Hires following any spell of nonemployment	Count	Hire	1

Indicator Vari-able	Alternate Name	Status Flag	Indicator Name	Description	Units	Concept	Base
ENSep	en_doms2	sENSep	Separations to Nonemployment	Separations into any spell of nonemployment	Count	Separation	1
NEPersist	ne2_doma2	sNEPersist	Hires from Persistent Nonemployment	Hires following a spell of persistent nonemployment	Count	Hire	1
ENPersist	en2_doms2	sENPersist	Separations to Persistent Nonemployment	Separations into a spell of persistent nonemployment	Count	Separation	1
NEFullQ	ne2p_doma2	sNEFullQ	Hires from Full-Quarter Nonemployment	Hires following a spell of full-quarter nonemployment (does not include intermittently employed)	Count	Hire	1
ENFullQ	en2p_doms2	sENFullQ	Separations to Full-Quarter Nonemployment	Separations into a spell of full-quarter nonemployment (does not include intermittently employed)	Count	Separation	1
MainB	domB	sMainB	Employment (Beginning of Quarter)	Main jobs held on the first day of the quarter	Count	Employment	1
MainE	domE	sMainE	Employment (End of Quarter)	Main jobs held on the last day of the quarter	Count	Employment	1
EESepS	fee_doms2	sEESepS	Stable Job-to-Job Separations (Continuous Employment)	Separations from stable employment followed by a hire to stable employment with no observed nonemployment spell	Count	Separation	1
EEHireS	fee_doma2	sEEHireS	Stable Job-to-Job Hires (Continuous Employment)	Hires to stable employment following a separation from stable employment with no observed nonemployment spell	Count	Hire	1
AQSepS	faq_doms2	sAQSepS	Stable Job-to-Job Separations (Brief Nonemployment)	Separations from stable employment followed by a hire to stable employment with a short nonemployment spell	Count	Separation	1
AQHireS	faq_doma2	sAQHireS	Stable Job-to-Job Hires (Brief Nonemployment)	Hires to stable employment following a separation from stable employment with a short nonemployment spell	Count	Hire	1

Indicator Variable	Alternate Name	Status Flag	Indicator Name	Description	Units	Concept	Base
NEPersistS	fne2_doma2	sNEPersistS	Stable Hires from Persistent Nonemployment	Hires to stable employment following a spell of persistent nonemployment	Count	Hire	1
ENPersistS	fen2_doms2	sENPersistS	Stable Separations to Persistent Nonemployment	Separations from stable employment into a spell of persistent nonemployment	Count	Separation	1
JobStayS	f4dombe	sJobStayS	Stable Job Stayer	Stable main jobs that did not change during the reference quarter	Count	Employment	1
MainBS	fdomb	sMainBS	Stable Employment (Beginning of Quarter)	Stable main jobs held on the first day of the quarter	Count	Employment	1
MainES	fdome	sMainES	Stable Employment (End of Quarter)	Stable main jobs held on the last day of the quarter	Count	Employment	1
NEHireSEarn	fne2_doma2	sNEHireSEarn	Average Earnings following Stable Hires from Persistent Nonemployment	Average quarterly earnings following hires to stable employment from a spell of persistent nonemployment	Dollars	Earnings	NEPersistS
ENSepSEarn	fen2_doms2	sENSepSEarn	Average Earnings prior to Stable Separations to Persistent Nonemployment	Average quarterly earnings prior to separations from stable employment into a spell of persistent nonemployment	Dollars	Earnings	ENPersistS
JobStaySEarn	f4dombe_jfsqdoms	sJobStaySEarn	Average Earnings prior to Stable Job Stayer	Average quarterly earnings in the previous quarter when workers stayed in a stable job	Dollars	Earnings	JobStayS
JobStaySEarn	f4dombe_kfsqdoms	sJobStaySEarn	Average Earnings following Stable Job Stayer	Average quarterly earnings in the quarter when workers stayed in a stable job	Dollars	Earnings	JobStayS
MHireR	all_doma2_rate	sMHireR	Hires	Rate of hires into a worker's main job	Rate	Hire	(MainB+MainE)/
MSepR	all_doms2_rate	sMSepR	Separations	Rate of separations from a worker's main job	Rate	Separation	(MainB+MainE)/
MJobStartR	all_dest_rate	sMJobStartR	Main Job Starts	Rate of new main jobs due to hires and instances when a previously existing secondary job becomes the main source of earnings	Rate	Employment	(MainB+MainE)/

Indicator Vari-able	Alternate Name	Status Flag	Indicator Name	Description	Units	Concept	Base
MJobEndR	all_orgin_rate	sMJobEndR	Main Job Ends	Rate of the end of main jobs due to separations and instances when another job becomes the main source of earnings	Rate	Employment	(MainB+MainE)/
EEHireR	eea_rate	sEEHireR	Job-to-Job Hires (Continuous Employment)	Rate of hires following a separation with no observed nonemployment spell	Rate	Hire	(MainB+MainE)/
EESepR	ees_rate	sEESepR	Job-to-Job Separations (Continuous Employment)	Rate of separations followed by a hire with no observed nonemployment spell	Rate	Separation	(MainB+MainE)/
AQHireR	aq_doma2_rate	sAQHireR	Job-to-Job Hires (Brief Nonemployment)	Rate of hires following a separation with a short nonemployment spell	Rate	Hire	(MainB+MainE)/
AQSepR	aq_doms2_rate	sAQSepR	Job-to-Job Separations (Brief Nonemployment)	Rate of separations followed by a hire with a short nonemployment spell	Rate	Separation	(MainB+MainE)/
J2JHireR	eeall_doma2_rate	s2JHireR	Job-to-Job Hires	Rate of hires following a separation (short or no observed nonemployment spell)	Rate	Hire	(MainB+MainE)/
J2JSepR	eeall_doms2_rate	s2JSepR	Job-to-Job Separations	Rate of separations followed by a hire (short or no observed nonemployment spell)	Rate	Separation	(MainB+MainE)/
NEHireR	ne_doma2_rate	sNEHireR	Hires from Nonemployment	Rate of hires following any spell of nonemployment	Rate	Hire	(MainB+MainE)/
ENSepR	en_doms2_rate	sENSepR	Separations to Nonemployment	Rate of separations into any spell of nonemployment	Rate	Separation	(MainB+MainE)/
NEPersistR	ne2_doma2_rate	sNEPersistR	Hires from Persistent Nonemployment	Rate of hires following a spell of persistent nonemployment	Rate	Hire	(MainB+MainE)/
ENPersistR	en2_doms2_rate	sENPersistR	Separations to Persistent Nonemployment	Rate of separations into a spell of persistent nonemployment	Rate	Separation	(MainB+MainE)/
NEFullQR	ne2p_doma2_rate	sNEFullQR	Hires from Full-Quarter Nonemployment	Rate of hires following a spell of full-quarter nonemployment (does not include intermittently employed)	Rate	Hire	(MainB+MainE)/

Indicator Vari-able	Alternate Name	Status Flag	Indicator Name	Description	Units	Concept	Base
ENFullQR	en2p_doms2_EnFullQR	sENFullQR	Separations to Full-Quarter Nonemployment	Rate of separations into a spell of full-quarter nonemployment (does not include intermittently employed)	Rate	Separation	(MainB+MainE)/
EE	ee	sEE	Job-to-Job Flows (Continuous Employment)	Job flows with no observed nonemployment spell	Count	Flow	1
AQHire	aq_doma2	sAQHire	Job-to-Job Flows (Brief Nonemployment)	Job flows with a short nonemployment spell	Count	Flow	1
J2J	ee+aq_doma2	sJ2J	Job-to-Job Flows	Job flows with a short or no observed nonemployment spell	Count	Flow	1
EES	fee	sEEFullQ	Stable Job-to-Job Flows (Continuous Employment)	Job flows from stable employment into stable employment with no observed nonemployment spell	Count	Flow	1
AQHireS	faq_doma2	sAQFullQHire	Stable Job-to-Job Flows (Brief Nonemployment)	Job flows from stable employment into stable employment with a short nonemployment spell	Count	Flow	1
J2JS	fee+faq_doma2	sJ2JS	Stable Job-to-Job Flows	Job flows from stable employment into stable employment with a short or no observed nonemployment spell	Count	Flow	1
EESEarn_Orig	fee_doma2_sEESEarn_Orig	sEESEarn_Orig	Average Earnings prior to Job-to-Job Flows (Continuous Employment)	Average quarterly earnings prior to job flows with no observed nonemployment spell	Dollars	Earnings	EES
EESEarn_Dest	fee_doma2_sEESEarn_Dest	sEESEarn_Dest	Average Earnings following Job-to-Job Flows (Continuous Employment)	Average quarterly earnings following job flows with no observed nonemployment spell	Dollars	Earnings	EES
AQHireSEarn_Orig	faq_doma2_sAQHireSEarn_Orig	sAQHireSEarn_Orig	Average Earnings prior to Job-to-Job Flows (Brief Nonemployment)	Average quarterly earnings prior to job flows with a short nonemployment spell	Dollars	Earnings	AQHireS
AQHireSEarn_Dest	faq_doma2_sAQHireSEarn_Dest	sAQHireSEarn_Dest	Average Earnings following Job-to-Job Flows (Brief Nonemployment)	Average quarterly earnings following job flows with a short nonemployment spell	Dollars	Earnings	AQHireS

Indicator Variable	Alternate Name	Status Flag	Indicator Name	Description	Units	Concept	Base
J2JSEarn_Orig	fte_doma2_sjqearn_orig	sJ2JSEarn_Orig	Average Earnings prior to Job-to-Job Flows	Average quarterly earnings prior to job flows with a short or no observed nonemployment spell	Dollars	Earnings	EESEarn_orig*E[illegible]
J2JSEarn_Dest	fte_doma2_sjqearn_dest	sJ2JSEarn_Dest	Average Earnings following Job-to-Job Flows	Average quarterly earnings following job flows with a short or no observed nonemployment spell	Dollars	Earnings	EESEarn_dest*E[illegible] + (AQHire-SEarn_dest*AQH[illegible]

6 Categorical Variables

Categorical variable descriptions are displayed above each table, with the variable name shown in parentheses. Unless otherwise stated, every possible value/label combination for each categorical variable is listed. Please note that not all values will be available in every table.

6.1 agegrp

(label_agegrp.csv)

agegrp	label
A00	All Ages (14-99)
A01	14-18
A02	19-21
A03	22-24
A04	25-34
A05	35-44
A06	45-54
A07	55-64
A08	65-99

6.2 concept

(label_concept.csv)

Concept	Definition
Hire	Measure derived from the the first quarter that a job is the main source of income (usually a hire)
Separation	Measure derived from the last quarter that a job is the main source of income (usually a separation)
Employment	Measure counting the stock of all jobs at a point in time
Earnings	Measure of average earnings associated with a base employment or job transition measure

6.3 education

(label_education.csv)

education	label
E0	All Education Categories
E1	Less than high school
E2	High school or equivalent, no college
E3	Some college or Associate degree
E4	Bachelor's degree or advanced degree
E5	Educational attainment not available (workers aged 24 or younger)

6.4 ethnicity

(label_ethnicity.csv)

ethnicity	label
A0	All Ethnicities
A1	Not Hispanic or Latino
A2	Hispanic or Latino

6.5 firmage

(label_firmage.csv)

firmage	label
0	All Firm Ages
1	0-1 Years
2	2-3 Years
3	4-5 Years
4	6-10 Years
5	11+ Years
N	Firm Age Not Available For Public-Sector Firms

6.6 firmsize

(label_firmsize.csv)

firmsize	label
0	All Firm Sizes
1	0-19 Employees
2	20-49 Employees
3	50-249 Employees
4	250-499 Employees
5	500+ Employees
N	Firm Size Not Available For Public-Sector Firms

6.7 ownercode

(label_ownercode.csv)

ownercode	label
A00	All (1-5)
A01	Federal government
A05	All Private (5)

6.8 periodicity

(label_periodicity.csv)

periodicity	label
A	Annual data
Q	Quarterly data

6.9 quarter

(label_quarter.csv)

quarter	label
1	1st Quarter of the Year (January-March)
2	2nd Quarter of the Year (April-June)
3	3rd Quarter of the Year (July-September)
4	4th Quarter of the Year (October-December)

6.10 race

(label_race.csv)

race	label
A0	All Races
A1	White Alone
A2	Black or African American Alone
A3	American Indian or Alaska Native Alone
A4	Asian Alone
A5	Native Hawaiian or Other Pacific Islander Alone
A6	Some Other Race Alone (Not Used)
A7	Two or More Race Groups

6.11 seasonadj

(label_seasonadj.csv)

seasonadj	label
S	Seasonally adjusted
U	Not seasonally adjusted

6.12 sex

(label_sex.csv)

sex	label
0	All Sexes
1	Male
2	Female

6.13 stusps

(label_stusps.csv)

geography	stusps
00	US
01	AL
02	AK
04	AZ
05	AR
06	CA
08	CO
09	CT
10	DE
11	DC
12	FL

geography	stusps
13	GA
15	HI
16	ID
17	IL
18	IN
19	IA
20	KS
21	KY
22	LA
23	ME
24	MD
25	MA
26	MI
27	MN
28	MS
29	MO
30	MT
31	NE
32	NV
33	NH
34	NJ
35	NM
36	NY
37	NC
38	ND
39	OH
40	OK
41	OR
42	PA
44	RI
45	SC
46	SD
47	TN
48	TX
49	UT
50	VT
51	VA
53	WA
54	WV
55	WI
56	WY
72	PR
78	VI

6.14 Industry

6.14.1 Industry levels

(label_ind_level.csv)

ind_level	label
A	All Industries
S	NAICS Sectors
3	NAICS Subsectors
4	NAICS Industry Groups

6.14.2 Industry

(label_industry.csv)

Only a small subset of available values shown. The 2012 NAICS (North American Industry Classification System) is used for all years. QWI releases prior to R2015Q3 used the 2007 NAICS classification (see Schema v4.0.1). For a full listing of all valid 2012 NAICS codes, see http://www.census.gov/cgi-bin/sssd/naics/naicsrch?chart=2012.

industry	label
00	All NAICS Sectors
000	All NAICS Subsectors
0000	All NAICS Industry Groups
11	Agriculture, Forestry, Fishing and Hunting
111	Crop Production
1111	Oilseed and Grain Farming
1112	Vegetable and Melon Farming
...	
2382	Building Equipment Contractors
2383	Building Finishing Contractors
2389	Other Specialty Trade Contractors
31-33	Manufacturing
311	Food Manufacturing
3111	Animal Food Manufacturing
3112	Grain and Oilseed Milling
3113	Sugar and Confectionery Product Manufacturing
...	

6.15 Geography

6.15.1 Geographic levels

Geography labels for data files are provided in separate files, by scope. Each file *label_geograpy_SCOPE.csv* may contain one or more types of records as flagged by geo_level. For convenience, a composite file containing all geocodes is available as label_geography.csv. The 2015 vintage of Census TIGER/Line geography is used for all tabulations as of the R2015Q4 release.

Shapefiles are described in a separate document.

(label_geo_level.csv)

geo_level	label	description	sourceurl
B	Metropolitan (complete)	Identifies 5-digit CBSA code for metropolitan areas provided by the Census Bureau's Geography Division. Balance of state including micropolitan areas are identified by custom codes as [ST]999	http://www.census.gov/-population/metro/
C	Counties	Identifies 5-digit FIPS/ANSI code for counties	https://www.census.gov/geo/-reference/codes/cou.html
M	Metropolitan/Micropolitan (state part)	Identifies 7-digit code constructed from the 2-digit state FIPS code and the 5-digit CBSA code provided by the Census Bureau's Geography Division	http://www.census.gov/-population/metro/
N	National (50 States + DC)	Custom code using *00* to denote national scope	
S	States	Identifies 2-digit FIPS/ANSI codes	https://www.census.gov/geo/-reference/ansi_statetables.html
W	Workforce Investment Areas	2-digit state FIPS code and the 6-digit WIA identifier provided by LED State Partners	

6.15.2 National and state-level values

(label_fipsnum.csv)

The file label_fipsnum.csv contains values and labels for all entities of geo_level *N* or *S*, and is a summary of separately available files.

geography	label	geo_level
00	National (50 States + DC)	N
01	Alabama	S
02	Alaska	S
04	Arizona	S
05	Arkansas	S
06	California	S
08	Colorado	S
...		
45	South Carolina	S
46	South Dakota	S
47	Tennessee	S
48	Texas	S
49	Utah	S

geography	label	geo_level
50	Vermont	S
51	Virginia	S
53	Washington	S

6.15.3 Detailed state and substate level values

Note: cross-state CBSA, in records of type geo_level = M, are present on files of type *label_geography_XX.csv*. A particular cross-state CBSA will appear on multiple files.

Scope	Format file
US	label_geography_us.csv
METRO	label_geography_metro.csv
States	
AK	label_geography_ak.csv
AL	label_geography_al.csv
AR	label_geography_ar.csv
AZ	label_geography_az.csv
CA	label_geography_ca.csv
CO	label_geography_co.csv
CT	label_geography_ct.csv
DC	label_geography_dc.csv
DE	label_geography_de.csv
FL	label_geography_fl.csv
GA	label_geography_ga.csv
HI	label_geography_hi.csv
IA	label_geography_ia.csv
ID	label_geography_id.csv
IL	label_geography_il.csv
IN	label_geography_in.csv
KS	label_geography_ks.csv
KY	label_geography_ky.csv
LA	label_geography_la.csv
MA	label_geography_ma.csv
MD	label_geography_md.csv
ME	label_geography_me.csv
MI	label_geography_mi.csv
MN	label_geography_mn.csv
MO	label_geography_mo.csv
MS	label_geography_ms.csv
MT	label_geography_mt.csv
NC	label_geography_nc.csv
ND	label_geography_nd.csv
NE	label_geography_ne.csv
NH	label_geography_nh.csv
NJ	label_geography_nj.csv
NM	label_geography_nm.csv
NV	label_geography_nv.csv
NY	label_geography_ny.csv
OH	label_geography_oh.csv
OK	label_geography_ok.csv
OR	label_geography_or.csv
PA	label_geography_pa.csv
RI	label_geography_ri.csv
SC	label_geography_sc.csv
SD	label_geography_sd.csv

Scope	Format file
TN	label_geography_tn.csv
TX	label_geography_tx.csv
UT	label_geography_ut.csv
VA	label_geography_va.csv
VT	label_geography_vt.csv
WA	label_geography_wa.csv
WI	label_geography_wi.csv
WV	label_geography_wv.csv
WY	label_geography_wy.csv

6.16 Aggregation level

(label_agg_level.csv)

Measures within the J2J and QWI data products are tabulated on many different dimensions, including demographic characteristics, geography, industry, and other firm characteristics. For Origin-Destination (O-D) tables, characteristics of the origin and destination firm can be tabulated separately. Every tabulation level is assigned a unique aggregation index, represented by the agg_level variable. This index starts from 1, representing a national level grand total (all industries, workers, etc.), and progresses through different combinations of characteristics. There are gaps in the progression to leave space for aggregation levels that may be included in future data releases.

agg_level is currently reported only for J2J data products.

The following variables are included in the label_agg_level.csv file:

Variable	Description
agg_level	index representing level of aggregation reported on a given record
worker_char	demographic (worker) characteristics reported on record
firm_char	firm characteristics reported on record. These will be the characteristics of the destination firm in O-D tabulations
firm_orig_char	characteristics of origin firm reported on record (O-D tabulations only)
j2j	Flag: Aggregation level available on J2J counts tables
j2jr	Flag: Aggregation level available on J2J rates tables
j2jod	Flag: Aggregation level available on J2J O-D tables
qwi	Flag: Aggregation level available on QWI

The characteristics available on an aggregation level are repeated using a series of flags following the standard schema:

- geo_level - geographic level of table
- ind_level - industry level of table
- by_ variables - flags indicating other dimensions reported, including ownership, demographics, firm age and size.

A shortened representation of the file is provided below, the complete file is available in the link above.

agg_level	worker_char	firm_char	firm_orig_char	j2j	j2jr	j2jod	qwi	geo_level
1				1	1	1	0	N
2	Sex			1	1	1	0	N
3	Age			1	1	1	0	N
4	Sex * Age			1	1	1	0	N
5	Race			1	1	1	0	N
9	Ethnicity			1	1	1	0	N
13	Race * Ethnicity			1	1	1	0	N
...								
129		Firm Size		1	1	1	0	N
257		NAICS Sector		1	1	1	0	N
258	Sex	NAICS Sector		1	1	1	0	N

agg_level	worker_char	firm_char	firm_orig_char	j2j	j2jr	j2jod	qwi	geo_level
...								
1029	Race	State		1	1	1	0	S
1033	Ethnicity	State		1	1	1	0	S
1037	Race * Ethnicity	State		1	1	1	0	S
...								

7 Status flags

(label_flags.csv)

Each status flag in the tables above contains one of the following valid values. The values and their interpretation are listed in the table below.

Important
Note: Currently, the J2J tables only contain status flags *-1* and *1*. Status flags with values 10 or above only appear in online applications, not in CSV files.

flag	label
-2	no data available in this category for this quarter
-1	data not available to compute this estimate
1	OK
5	Value suppressed because it does not meet US Census Bureau publication standards.
6	Value calculated from other released measures - no significant distortion
7	Value calculated from other released measures - some of which have significantly distorted data
9	Data significantly distorted - fuzzed value released
10	Aggregate of cells - no significant distortion
11	Aggregate of cells not released because component cells do not meet U.S. Census Bureau publication standards
12	Aggregate of cells - some of which have significantly distorted data

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