

BDS VARIABLE CODEBOOK (2018 Release)

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net_job_creation	num	8
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year

Values: 1978-2018

Description: record year

sector

Values: 11,21,22,23,31-33,42,44-45,48-49,51,52,43,54,55,56,61,62,71,72,81

Description: 11 - Agriculture, Forestry, Fishing and Hunting
 21 - Mining, Quarrying, and Oil and Gas Extraction
 22 - Utilities
 23 - Construction
 31-33 - Manufacturing
 42 - Wholesale Trade
 44-45 - Retail Trade
 48-49 - Transportation and Warehousing
 51 - Information
 52 - Finance and Insurance
 53 - Real Estate and Rental and Leasing
 54 - Professional, Scientific, and Technical Services
 55 - Management of Companies and Enterprises
 56 - Administrative and Support and Waste Management and Remediation Services
 61 - Educational Services
 62 - Health Care and Social Assistance
 71 - Arts, Entertainment, and Recreation
 72 - Accommodation and Food Services
 81 - Other Services (except Public Administration)

esize

Values: a) 1 to 4, b) 5 to 9, c) 10 to 19, d) 20 to 99, e) 100 to 499, f) 500 to 999, g) 1000+

and

a) 1 to 19, b) 20-499, c) 500+

Description: Establishment size. A categorical variable defined as the average of the establishment's year t-1 and year t employment. The larger number of size classes—7 in total—are included in all establishment size tables, except those at the msa and county levels. The smaller number of size classes—3 in total—are included in estab size tables at the msa or county level only.

iesize

Values: a) 1 to 4, b) 5 to 9, c) 10 to 19, d) 20 to 99, e) 100 to 499, f) 500 to 999, g) 1000+

and

a) 1 to 19, b) 20-499, c) 500+

Description: Initial Establishment size. A categorical variable defined for any given consecutive two-year period as the size at year t-1 except in cases when year t-1 employment is equal to zero in which case initial size is year t employment. The larger number of size classes referenced above—7 in total—are included for all initial establishment size tables, except those at the msa and county levels. The smaller number of size classes—3 in total—are included in initial estab size tables at the msa or county level only.

fsize

Values: a) 1 to 4, b) 5 to 9, c) 10 to 19, d) 20 to 99, e) 100 to 499, f) 500 to 999, g) 1000 to 2499, h) 2500 to 4999, i) 5000 to 9999, j) 10000+

and

a) 1 to 19, b) 20-499, c) 500+

Description: Firm size. A categorical variable defined as the average of the firm's year t-1 and year t employment. The larger number of size classes—10 in total—are included in all establishment size tables, except those at the msa and county levels. The smaller number of size classes—3 in total—are included in estab size tables at the msa or county level only.

ifsize

Values: a) 1 to 4, b) 5 to 9, c) 10 to 19, d) 20 to 99, e) 100 to 499, f) 500 to 999, g) 1000 to 2499, h) 2500 to 4999, i) 5000 to 9999, j) 10000+

and

a) 1 to 19, b) 20-499, c) 500+

Description: Initial firm size. A categorical variable defined for any given consecutive two-year period as the size at year t-1 except in cases when year t-1 employment is equal to zero in which case initial size is year t employment. The larger number of size classes referenced above—10 in total—are included for all initial firm size tables, except those at the msa and county levels. The smaller number of size classes—3 in total—are included in initial estab size tables at the msa or county level only.

eage

Values: a) 0, b) 1, c) 2, d) 3, e) 4, f) 5, g) 6 to 10, h) 11 to 15, i) 16 to 20, j) 21 to 25, k) 26+, l) Left Censored

and

a) 0, b) 1 to 5, c) 6 to 10, d) 11+, e) Left Censored

Description: This is an employment based measure of establishment age. An estab born before 1977 is of unknown age and is assigned an age of "Left Censored". One born during or after 1977 is assigned an age of zero in the first year it reports positive employment, and ages each year thereafter regardless of employment. The larger number of age classes referenced above—12 in total—are included for all estab age tables, except those at the msa and county levels. The smaller number of age classes—5 in total—are included in the estab age tables at the msa or county level only.

fage

Values: a) 0, b) 1, c) 2, d) 3, e) 4, f) 5, g) 6 to 10, h) 11 to 15, i) 16 to 20, j) 21 to 25, k) 26+, l) Left Censored

and

a) 0, b) 1 to 5, c) 6 to 10, d) 11+, e) Left Censored

Description: This is an employment based measure of firm age. A firm born before 1977 is of unknown age and is assigned a firm age of “Left Censored”. A firm born during or after 1977 is assigned a firm age as follows:

1. One or more pre-existing establishments with prior employment - the firm will be born with a non-zero age based on the earliest year any establishment reported employment.
2. One or more pre-existing establishments with no prior employment in any establishment - the firm is born with no firm age. The firm will be age zero in the first year any establishment reports employment.
3. One or more newly founded establishments with employment - the firm will be born with age of zero.
4. One or more newly founded establishments with no employment in any establishment - the firm will be born with no firm age. The firm will be age zero in the first year any establishment reports employment.

The larger number of age classes referenced above—12 in total—are included for all firm age tables, except those at the msa and county levels. The smaller number of age classes—5 in total—are included in the firm age tables at the msa or county level only.

firms

Values:

Description: A simple count of the number of firms in the cell. For state level tables, a firm with establishments in multiple states be counted multiple times, once in each state, irrespective of the portion of the firm residing in that state.

estabs

Values:

Description: A simple count of the number of establishments in the cell.

emp

Values:

Description: Paid employment consists of full- and part-time employees, including salaried officers and executives of corporations, who are on the payroll in the pay period including March 12. Included are employees on paid sick leave, holidays, and vacations.

denom

Values:

Description: Davis-Haltiwanger-Schuh (DHS) denominator. For time t, denom is the average of employment for times t and t-1. This variable attempts to prevent transitory shocks from creating a bias to the relationship between net growth from t-1 to t and size.

estabs_entry

Values:

Description: A count of establishments born within the cell during the last 12 months.

estabs_entry_rate

Values:

Description: $100 * (\text{estabs_entry at time } t \text{ divided by the average of estabs at } t \text{ and } t-1).$

estabs_exit

Values:

Description: A count of establishments exiting from within the cell during the last 12 months.

estabs_exit_rate

Values:

Description: $100 * (\text{estabs_exit at time } t \text{ divided by the average of estabs at } t \text{ and } t-1).$

job_creation

Values:

Description: Count of all employment gains within the cell from expanding and opening establishments between the week of March 12 of the prior year to the current year.

job_creation_births

Values:

Description: Count of employment gains within the cell from establishment openings (births) between the week of March 12 of the prior year to the current year.

job_creation_continuers

Values:

Description: Count of employment gains within the cell from continuing establishments that expanded between the week of March 12 of the prior year to the current year.

job_creation_rate_births

Values:

Description: $100 * (\text{job_creation_births} / \text{denom})$

job_creation_rate

Values:

Description: $100 * (\text{job_creation} / \text{denom})$

job_destruction

Values:

Description: Count of all employment losses within the cell from contracting and closing establishments between the week of March 12 of the prior year to the current year.

job_destruction_deaths

Values:

Description: Count of all employment losses within the cell from establishment closings (deaths) between the week of March 12 of the prior year to the current year.

job_destruction_continuers

Values:

Description: Count of employment losses within the cell from continuing establishments that contracted between the week of March 12 of the prior year to the current year.

job_destruction_rate_deaths

Values:

Description: $100 * (\text{job_destruction_deaths} / \text{denom})$

job_destruction_rate

Values:

Description: $100 * (\text{job_destruction} / \text{denom})$

net_job_creation_rate

Values:

Description: $\text{job_creation_rate} - \text{job_destruction_rate}$

reallocation_rate

Values:

Description: $\text{job_creation_rate} + \text{job_destruction_rate} - \text{abs}(\text{net_job_creation_rate})$. This is often referred to as an “excess” reallocation rate since it measures the rate of job reallocation over and above that needed to accommodate the net job creation in the cell. A gross reallocation measure is simply the sum of the `job_creation_rate` and the `job_destruction_rate`.

firmdeath_firms

Values:

Description: Count of firms that have exited in their entirety during the period. All establishments owned by the firm must exit to be considered a firm death. This definition of firm death is narrow and strictly applied, so that a firm with 100 establishments would not qualify as a firm death if 99 exited while 1 continued under different ownership.

firmdeath_estabs

Values:

Description: Count of establishments associated with firm deaths.

firmdeath_emp

Values:

Description: Count of employment associated with firm deaths.

metro

Values: M,N,SW

Description: Establishments located in Metropolitan or Micropolitan Statistical Areas are in cells designated with “M”, while those in non-metropolitan areas are aggregated into cells designated with “N”. Cells designated as “SW” are establishments that cannot be assigned a sub-state geography, which are designated as “statewide”.

msa

Values:

Description: Numeric code for metropolitan and micropolitan statistical areas, as established by Office of Management and Budget (OMB). The February 2013 definitions are used:
<https://www.census.gov/geographies/reference-files/time-series/demo/metro-micro/delineation-files.html>

cty

Values:

Description: Three character numeric code for county within a given state. Users can refer to the CBP county reference files for listings of valid county codes (<https://www.census.gov/programs-surveys/cbp/technical-documentation/reference/state-county-geography-reference.html>). The BDS also includes statewide (999) and unclassified (998) county codes. Statewide county codes are assigned to establishments without a fixed location such as employee leasing establishments. Unclassified establishments are those with a county code that cannot be found in any of the CBP county reference files.

st

Values: 01,02,04,05,06,08,09,10,11,12,13,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,44,45,46,47,48,49,50,51,53,54,55,56

Description:

01-AL	15-HI	26-MI	37-NC	49-UT
02-AK	16-ID	27-MN	38-ND	50-VT
04-AZ	17-IL	28-MS	39-OH	51-VA
05-AR	18-IN	29-MO	40-OK	53-WA
06-CA	19-IA	30-MT	41-OR	54-WV
08-CO	20-KS	31-NE	42-PA	55-WI
09-CT	21-KY	32-NV	44-RI	56-WY
10-DE	22-LA	33-NH	45-SC	97-nationwide*
11-DC	23-ME	34-NJ	46-SD	
12-FL	24-MD	35-NM	47-TN	
13-GA	25-MA	36-NY	48-TX	

vcnaics3

Values:

Description: Vintage consistent 3-digit NAICS 2012 codes

vcnaics4

Values:

Description: Vintage consistent 4-digit NAICS 2012 codes

***records that could not reliably be assigned a specific state code, are coded as nationwide.**