* Variables
  + **OMB number**

Description: Numeric code for metropolitan statistical areas as established by Office of Management and Budget (OMB), version 2009.

* + **MSA name**

Description: A geographical area with large population and commerce, as defined by OMB.

* + **Year**

Description: Record year.

* + **Firm\_Age**

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.

* + **Firms**

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

Firm - A firm is a business organization consisting of one or more domestic establishments that were specified under common ownership or control. The firm and the establishment are the same for single-establishment firms.

* + **Estabs**

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

Establishment - A single physical location where business is conducted or where services or industrial operations are performed.

* + **Emp**

Description: total sum of March 12 employment in the cell.

Employment - Paid employment consists of full and part-time employees, including salaried officers and executives of corporations, who were on the payroll in the pay period including March 12. Included are employees on sick leave, holidays, and vacations; not included are proprietors and partners of unincorporated businesses.

* + **Denom**

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**

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

* + **Estabs\_Entry\_Rate**

Description: 100 \* (estabs\_entry at time t divided by the average of estabs at t and t-1).

* + **Estabs\_Exit**

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

* + **Estabs\_Exit\_Rate**

Description: 100 \* (estabs\_exit at time t divided by the average of estabs at t and t-1).

* + **Job\_Creation**

Description: Count of all jobs created within the cell over the last 12 months.

* + **Job\_Creation\_Births**

Description: Count of jobs created within the cell by establishment births over the last 12 months.

* + **Job\_Creation\_Continuers**

Description: Count of jobs created in the cell by continuing establishments over the last 12 months.

* + **Job\_Creation\_Rate\_Births**

Description: 100 \* (job\_creation\_births / denom)

* + **Job\_Creation\_Rate**

Description: 100 \* (job\_creation / denom)

* + **Job\_Destruction**

Description: Count of all jobs destroyed within the cell over the last 12 months.

* + **Job\_Destruction\_Deaths**

Description: Count of jobs destroyed by establishment exit over the last 12 months.

* + **Job\_Destruction\_Continuers**

Description: Count of jobs destroyed at continuing establishments over the last 12 months.

* + **Job\_Destruction\_Rate\_Deaths**

Description: 100 \* (job\_destruction\_deaths / denom)

* + **Job\_Destruction\_Rate**

Description: 100 \* (job\_destruction divided / denom)

* + **Net\_Job\_Creation**

Description: job\_creation - job\_destruction

* + **Net\_Job\_Creation\_Rate**

Description: job\_creation\_rate - job\_destruction\_rate

* + **Reallocation\_Rate**

Description: job\_creation\_rate + job\_destruction\_rate - abs(net\_job\_creation\_rate)

* + **Firmdeath\_Firms**

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**

Description: Count of establishments associated with firm deaths.

* + **Firmdeath\_Emp**

Description: Count of employment associated with firm deaths.

* Source
  + http://www.census.gov/ces/dataproducts/bds/data\_firm.html
  + Longitudinal Business Database 1977-2013
  + BDS\_2013\_Codebook.pdf
  + MSA (2009 Definitions).txt
* Notes on how to update
  + Update annually