

Commuting Zone Panel: Variable Construction

About

Observations are at the industry-commuting zone level. Industries are defined as NAICS 2-digit industries. Commuting zones are geographic units made up of counties generated by the US Department of Agriculture (USDA) designed to capture local economies and labor markets that do not necessarily conform to county boundaries. Counties that are not integrally linked to other counties are treated as independent CZs.

Variable Descriptions

Compensation (COMP)

- **Source:** Bureau of Economic Analysis (BEA), CAINC6
- **Description:** Compensation of full and part-time employees by NAICS industry at the county level.
- **Units:** Thousands of current dollars
- **Transformations:** None.

Gross Domestic Product (GDP)

- **Source:** Bureau of Economic Analysis (BEA), CAGDP2
- **Description:** GDP in current dollars by NAICS industry at the county level.
- **Units:** Thousands of chained 2012 dollars
- **Transformations:** None.

Real Gross Domestic Product (RGDP)

- **Source:** Bureau of Economic Analysis (BEA), CAGDP9
- **Description:** GDP in chained dollars by NAICS industry at the county level.

- **Units:** Thousands of current dollars
- **Transformations:** None.

Total Full-Time and Part-Time Employment (EMPL)

- **Source:** Bureau of Economic Analysis (BEA), CAEMP25
- **Description:** Total employment by NAICS industry at the county level.
- **Units:** Number of jobs.
- **Transformations:** None.

Establishments (EST)

- **Source:** US Census County Business Patterns (CBP)
- **Description:** Establishment county by NAICS industry at the county level
- **Units:** Number of establishments.
- **Transformations:** None.

Union Membership (UMEMB)

- **Source:** UnionStats.com
- **Description:** Union density at the metropolitan level
- **Units:** Percentage of wage and salary employees who are union members, including employees in public sector.
- **Transformations:** Metropolitan statistical area to county crosswalk

Unemployment Rate (UNRATE)

- **Source:** Bureau of Labor Statistics (BLS),
- **Description:** Annual county unemployment rate, seasonally adjusted
- **Units:** Unemployment rate
- **Transformations:** None.

Minimum Wage (MINWAGE)

- **Source:** Washington Center for Equitable Growth (WCEG), Historical State and Substate Minimum Wage Dataset
- **Description:** Binding minimum wage (state or local) at the county level.
- **Units:** Dollars
- **Transformations:** Determine binding minimum wage, for city/county. Apply city-county crosswalk.

Capital Cost (CAPCOST)

- **Source:** BEA Fixed Asset Tables
- **Description:** Measure of net stock of private equipment by county-industry (manufacturing only) measured in historical and current prices.
- **Units:** Price index (current costs over historical costs) relative to aggregate price index
- **Transformations:** Industry weighted average by NAICS sub-industry

Import Exposure (IMPEX)

- **Source:** BLS Input-output tables
- **Description:** County-industry import exposure (manufacturing only)
- **Units:** Percent increase in value added to satisfy final demand if US produced all imports domestically.
- **Transformations:** Commodity to industry crosswalk, weighted average by NAICS sub-industry

Product Concentration (CR50)

- **Source:** US Census (available only for 2002, 2012, 2017)
- **Description:** Measure of product market concentration at the county-industry level.
- **Units:** Value added share of largest 50 firms
- **Transformations:** Industry weighted average by NAICS sub-industry

Establishment Size (N_)

- **Source:** US Census County Business Patterns (CBP)
- **Description:** Number of establishments by employee count by NAICS industry at the county level
- **Units:** Number of establishments.
- **Transformations:** None.