

**URBAN DISINVESTMENT IN INNER CITY BY GROWTH OF
SUBURBAN COMMUNITIES: A CASE STUDY OF JACKSON
METROPOLITAN AREA**

Research Proposal

By

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Who the Problem Affects?

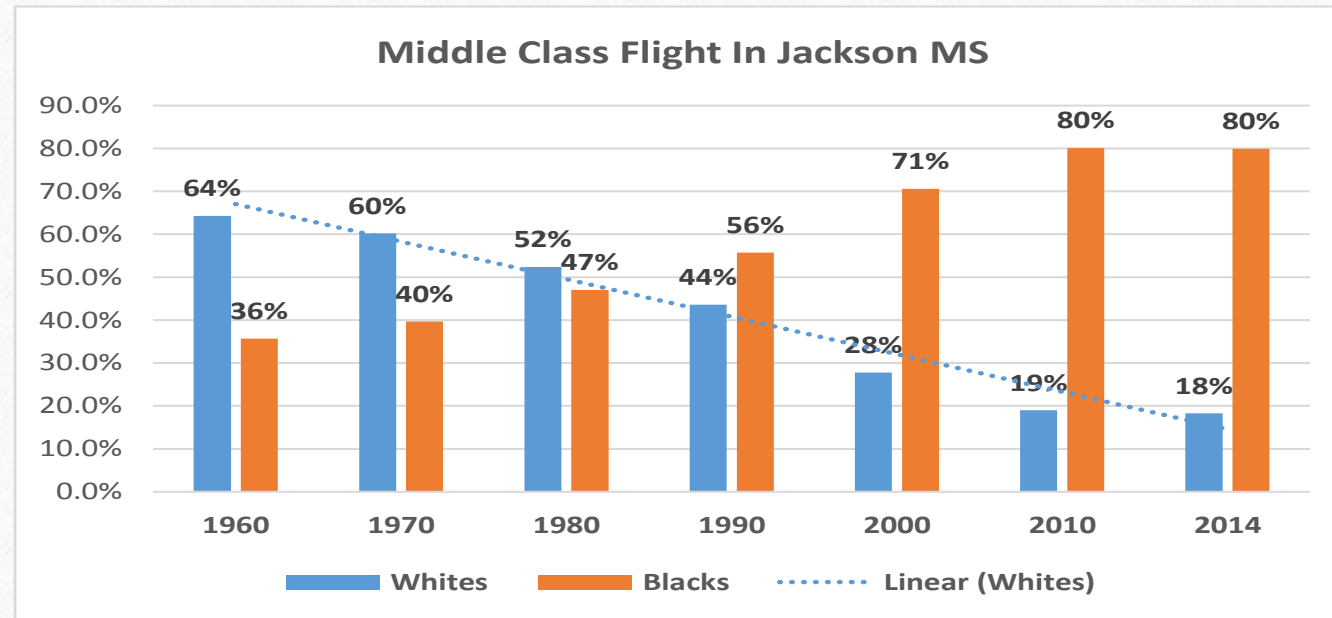
- Inner Cities Such As Jackson, MS Have Shown Decline and Ring Cities (Madison, Clinton, Ridgeland, Byram, And Pearl) Have Shown Significant Growth. (Schaefer 2011)



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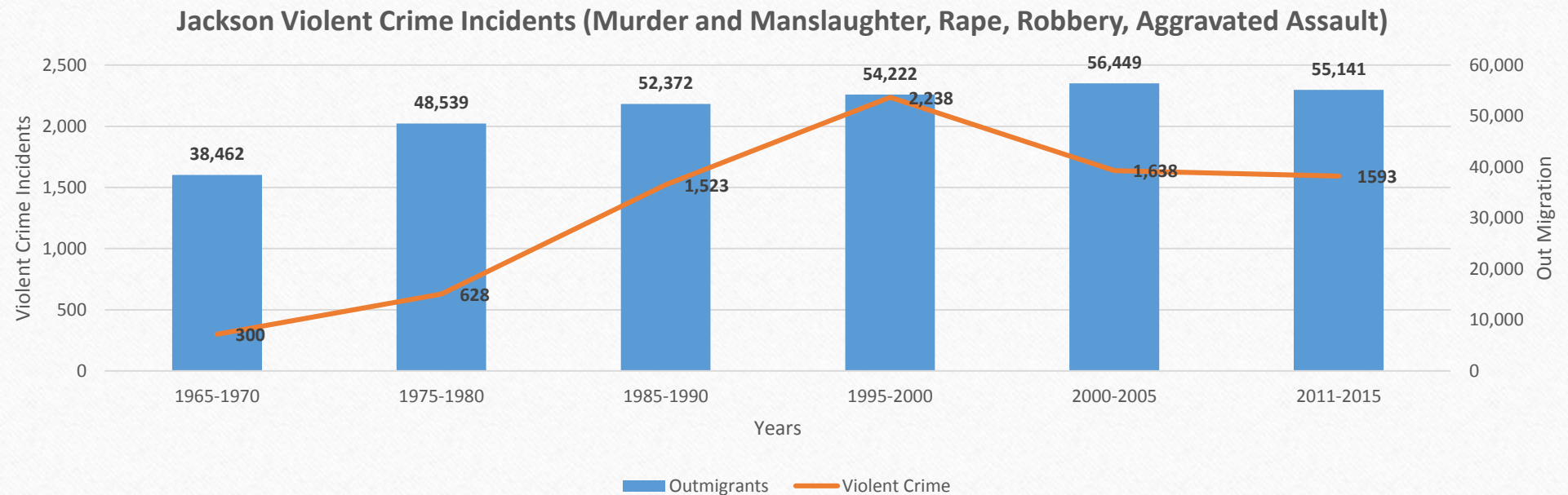
How Does the Problem Affect Them?

- Rising Crime Rates (Mallach 2010)
- Continued Middle Class Flight (Mallach 2010)



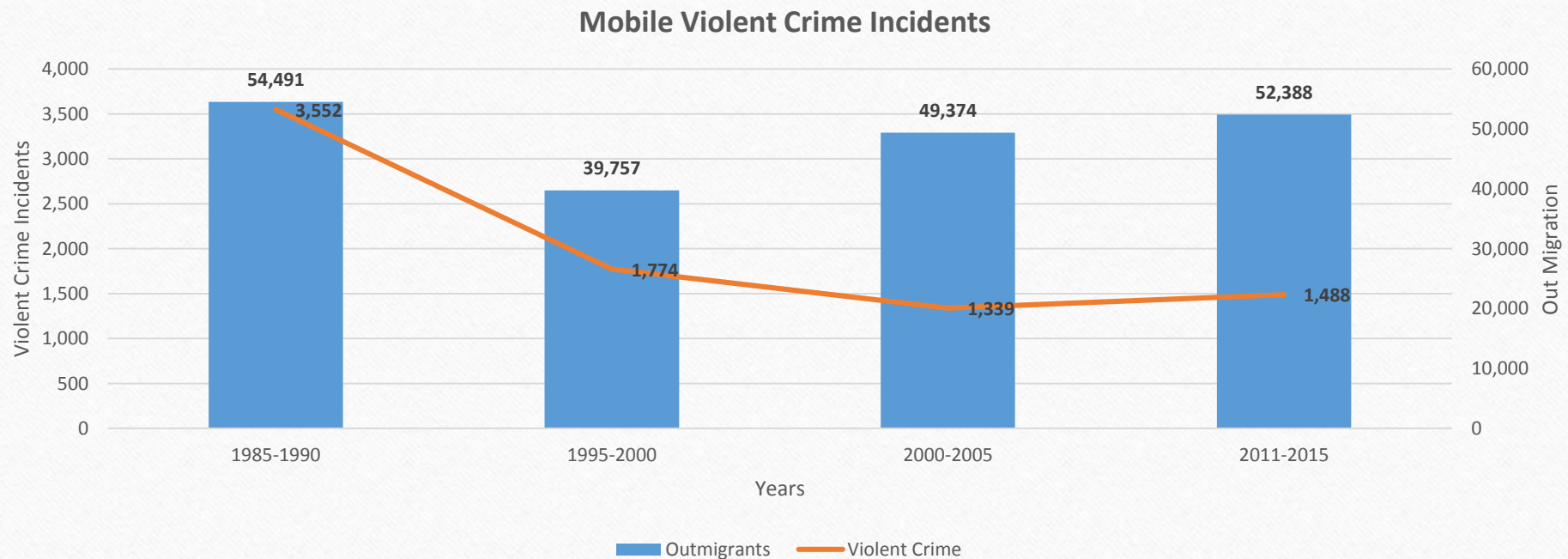
Source: Census.gov

Violent Crime and Out-Migration in Jackson MSA



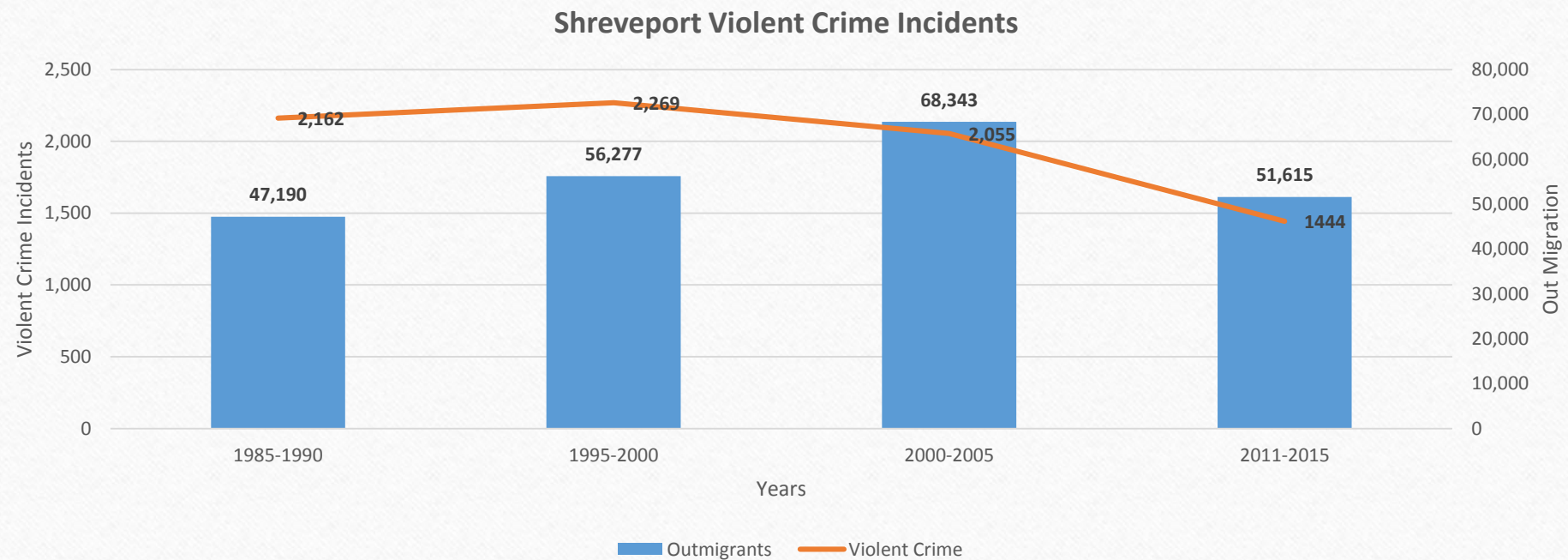
Source: Uniform Crime Reporting Statistics - UCR Data Online

Violent Crime and Out-Migration in Mobile MSA



Source: Uniform Crime Reporting Statistics - UCR Data Online

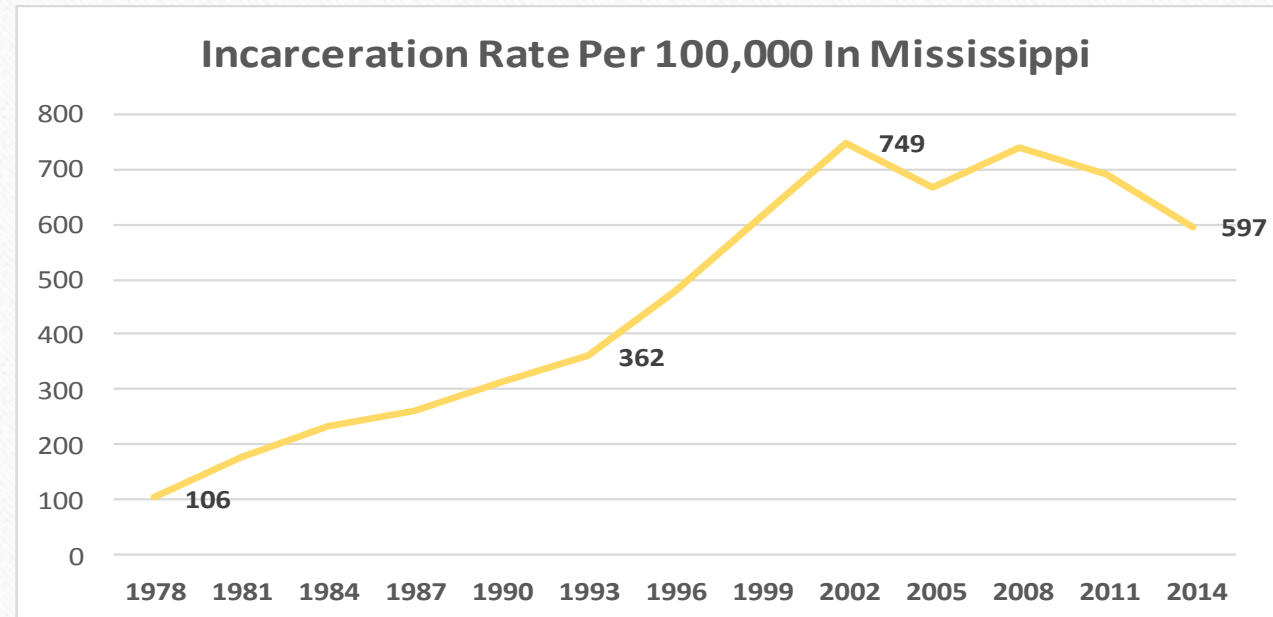
Violent Crime and Out-Migration in Shreveport MSA



Source: Uniform Crime Reporting Statistics - UCR Data Online

Major Causes of the Problem

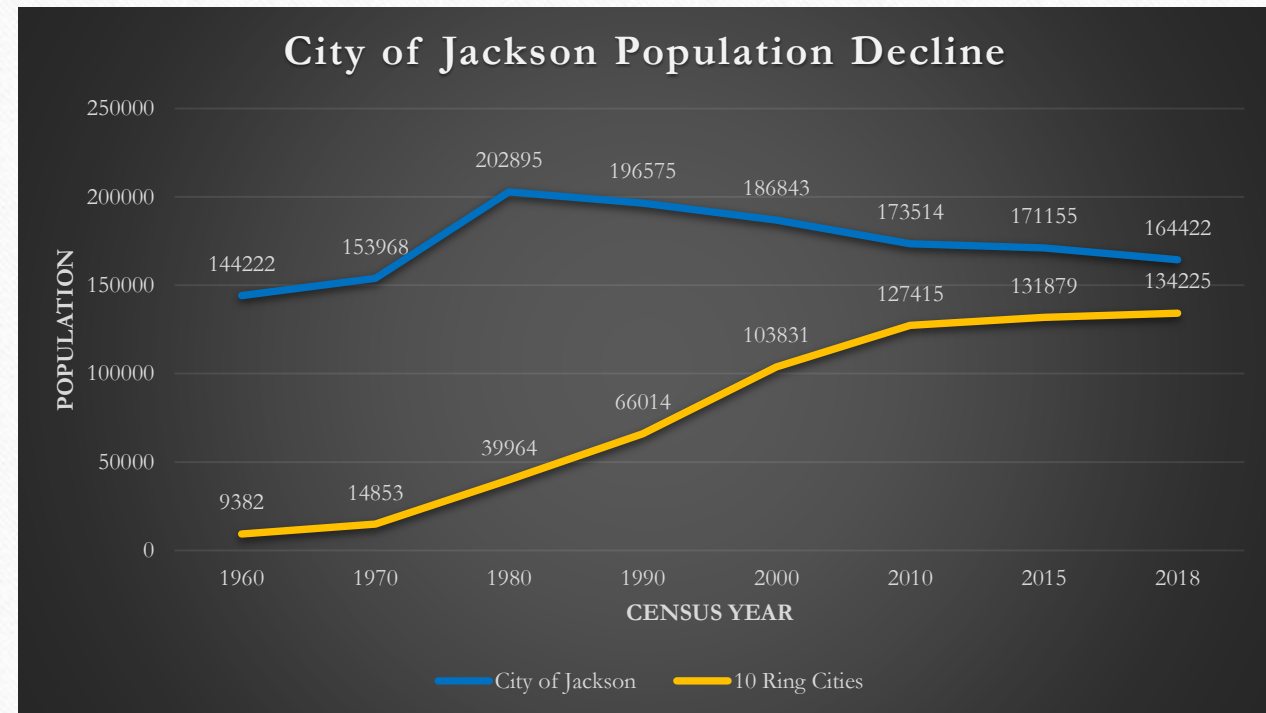
- Crime Impact on Inner City and Ring Cities
 1. Between 1970 and 2010 More People Incarcerated in the United States than Any Country (Thompson 2010)
 2. Mass Incarceration in the Inner City Inhabitants (Thompson 2010)
 3. Creating Million Dollar Blocks (Thompson 2010)



Source: Bureau of Justice Statistics, Corrections Statistics Analysis Tool

Major Causes of the Problem

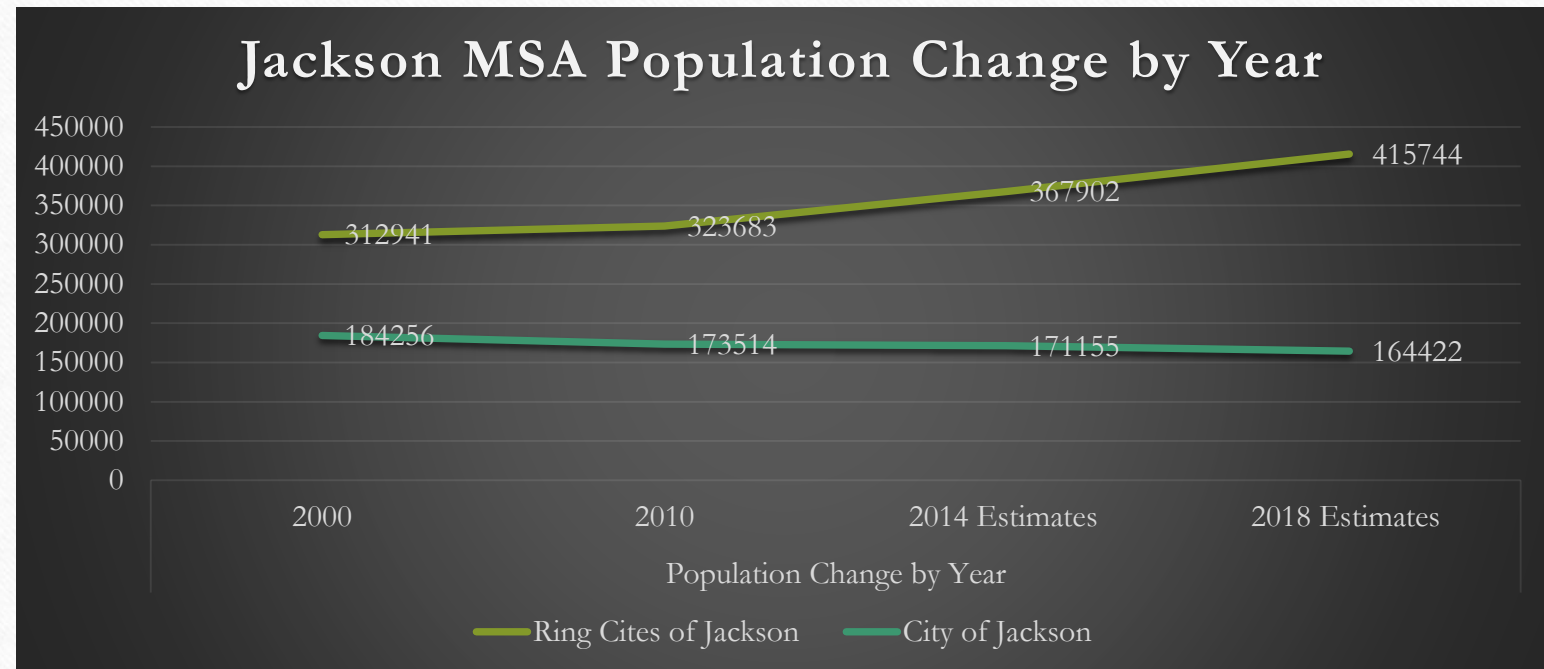
- Population Impact on Inner City and Ring Cities
 1. Out-Migration of Population (Yin and Sun 2007)
 2. Income and Racial Segregation (Yin and Sun 2007)
 3. Lost Revenues and Increased Taxes (Sly 1980)
 4. Ring Cities are Now the “Hub Life” of MSA (Sly 1980)



Source: Census.gov

How Does the Problem Affect Them?

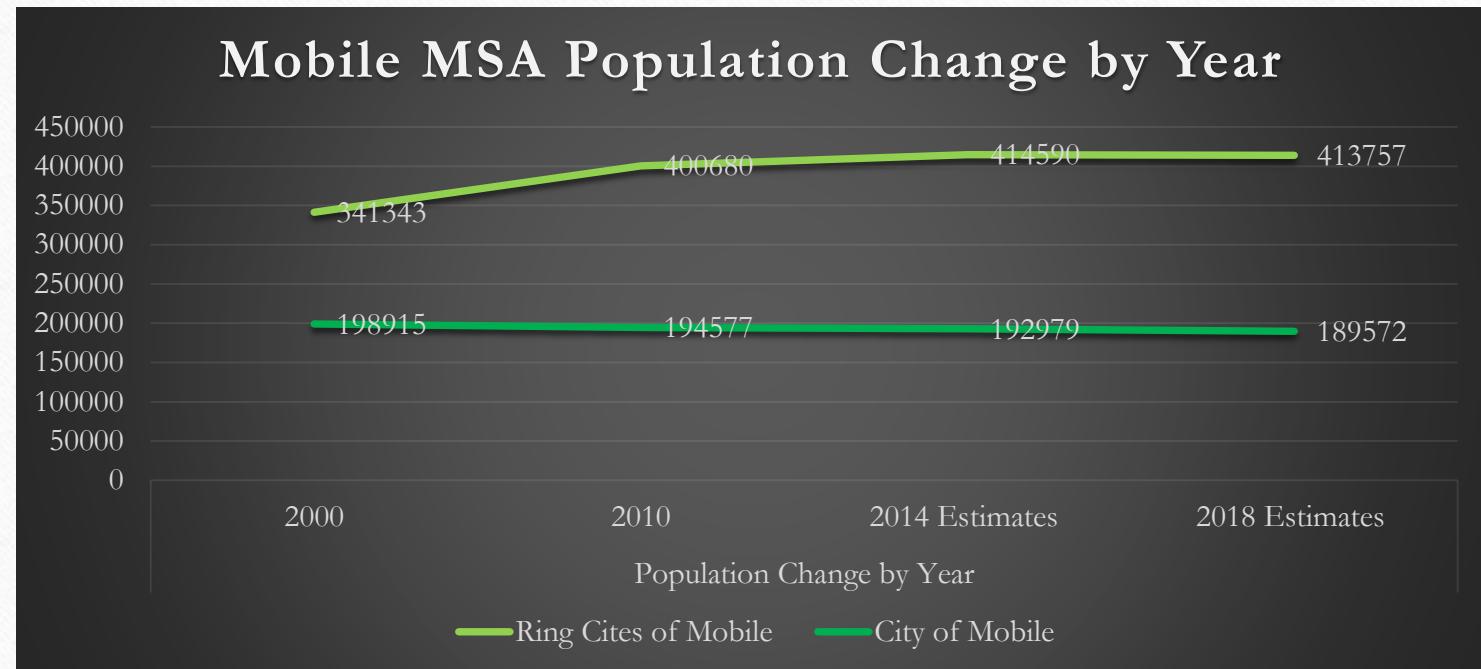
- Jackson MSA Shrinking Tax Base(Swain 2015)



Source: Census.gov

How Does the Problem Affect Them?

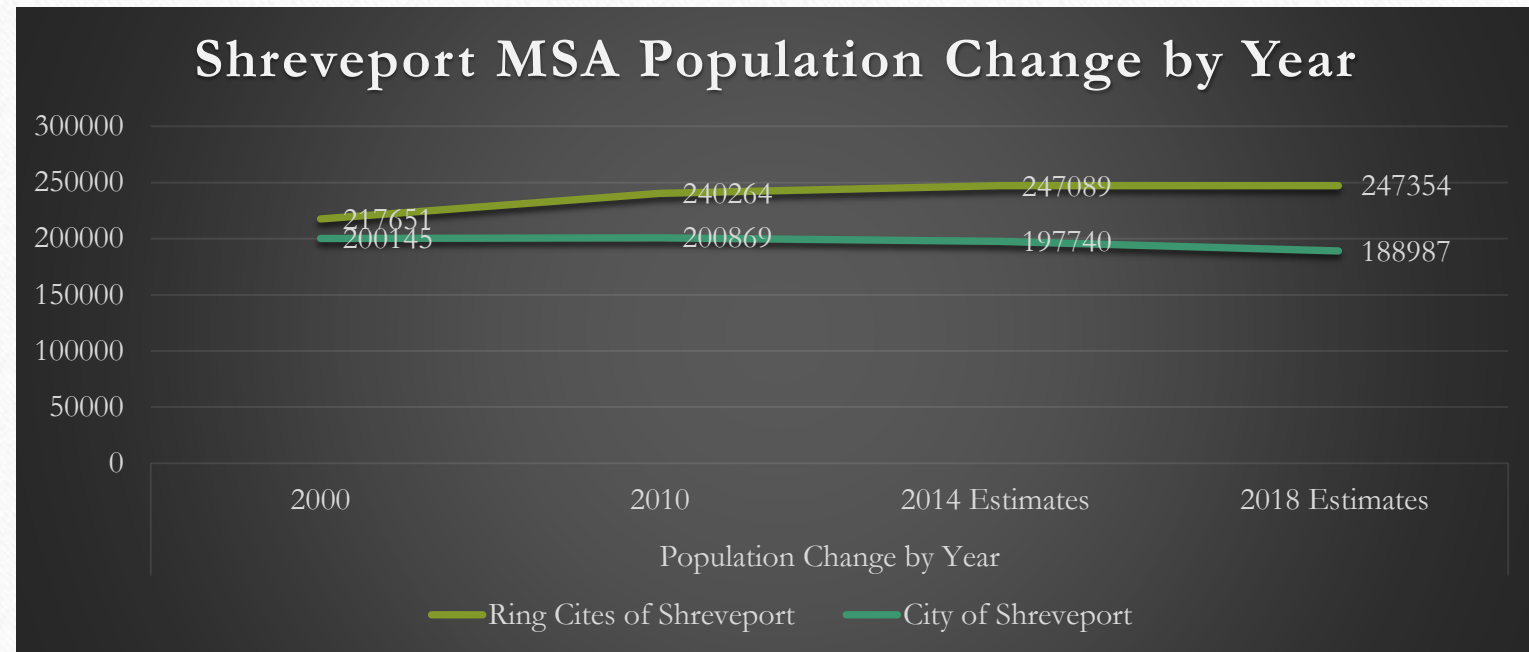
- Mobile MSA Shrinking Tax Base(Swain 2015)



Source: Census.gov

How Does the Problem Affect Them?

- Shreveport MSA Shrinking Tax Base(Swain 2015)



Source: Census.gov

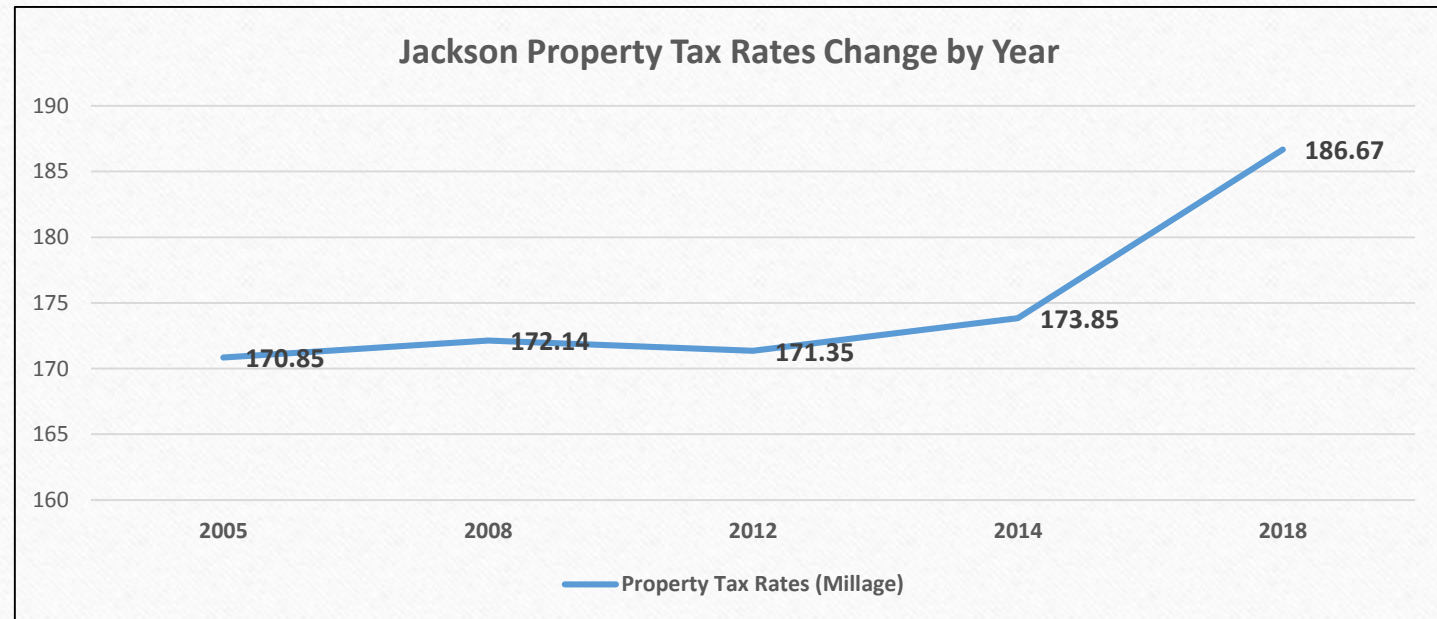
Consequences if the Problem is Not Addressed

- Continued Population Decline
- Job sprawl and spatial mismatch
- Poor Quality Schooling
- Increased Crime in Urban Area
- Urban Disinvestment



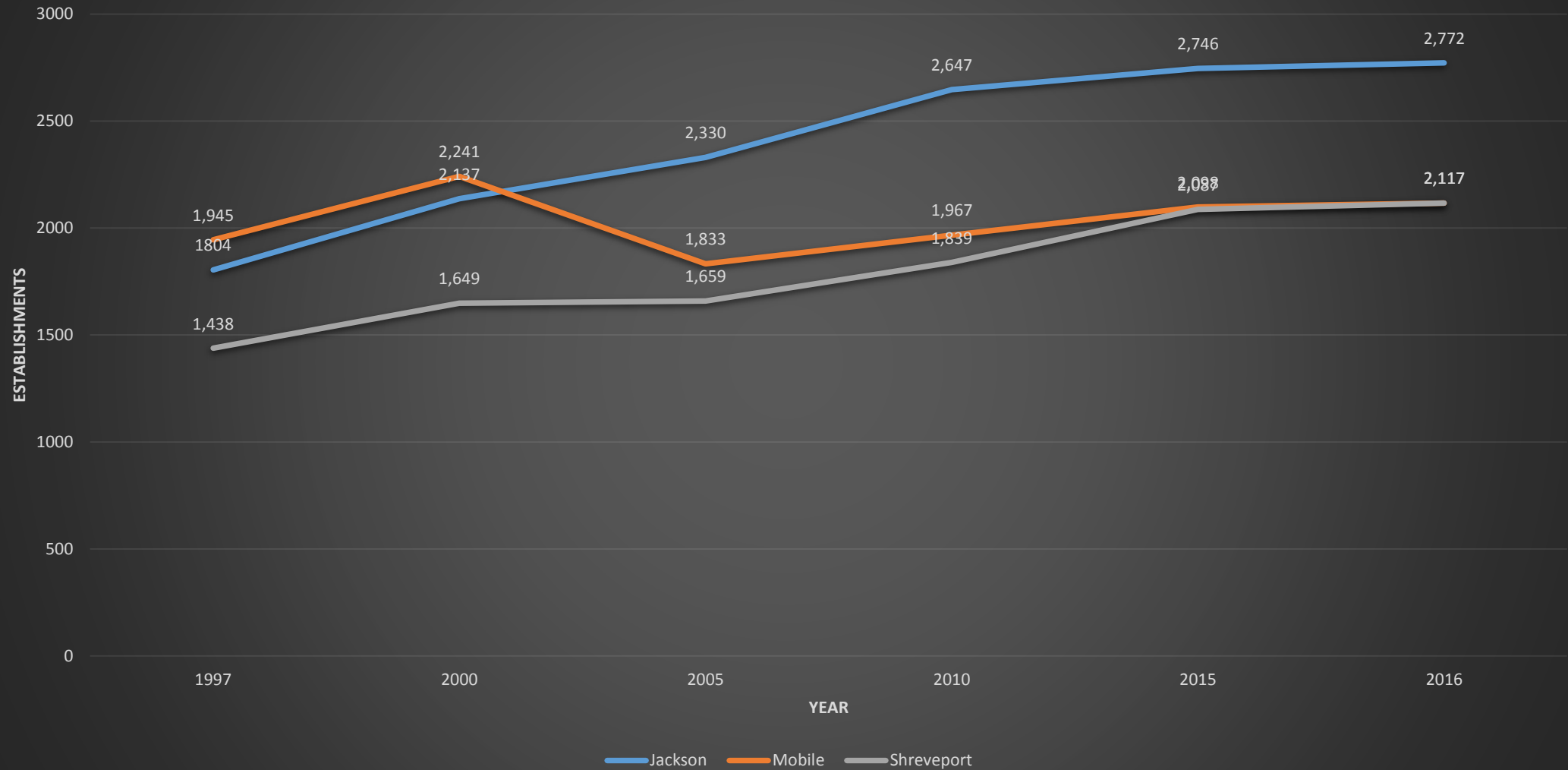
Consequences if the Problem is Not Addressed

- Weak Housing Demand (Mallach 2010)
- Increasing Impoverished Resident Population (Swain 2015)
- Millage Rate Increase



Source: City of Jackson CAFR

Industry Employing 500 or More By City



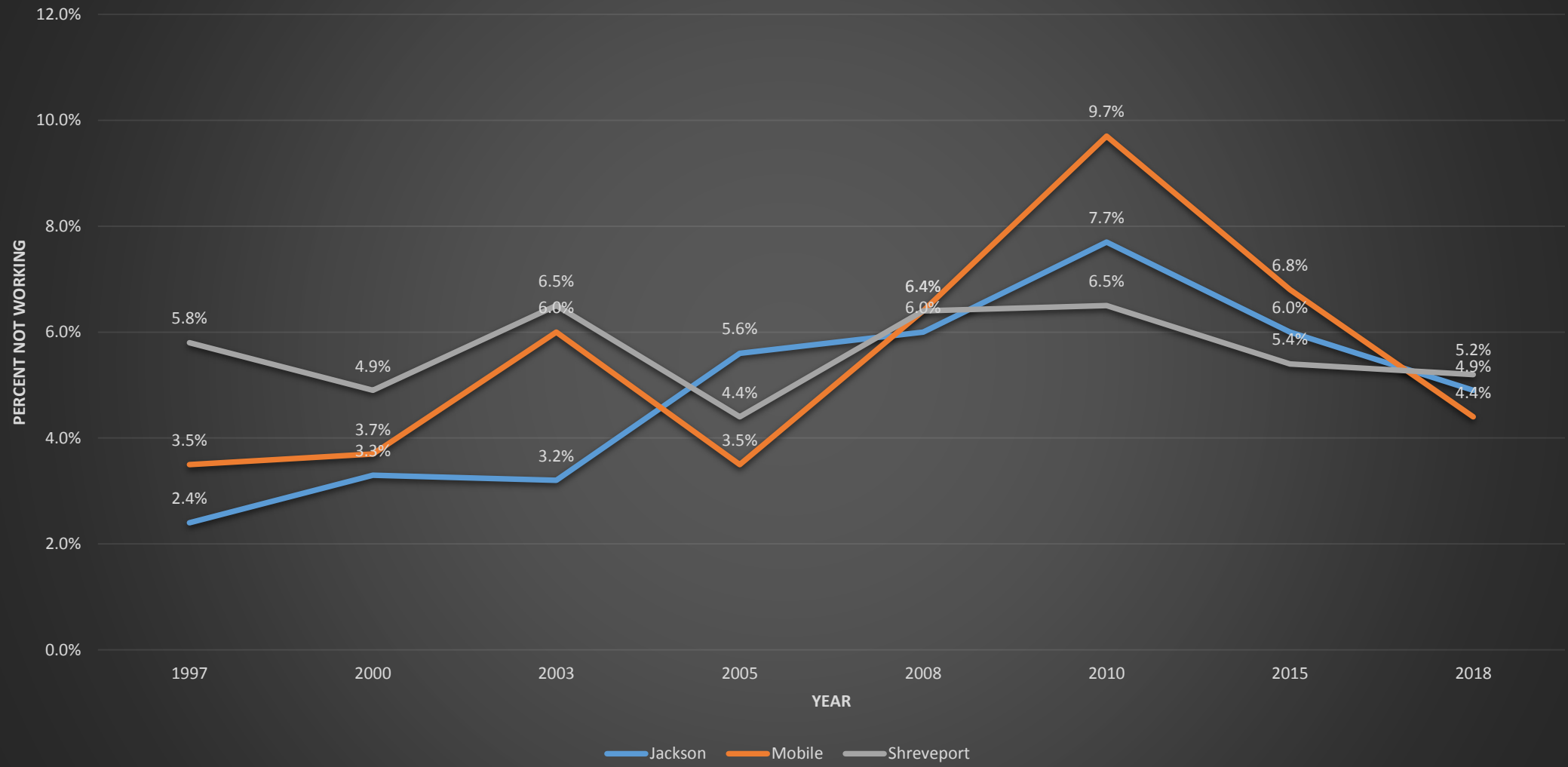
Source: Census.gov – Statistics of U.S. Businesses

Industry Employing 500 or More By State



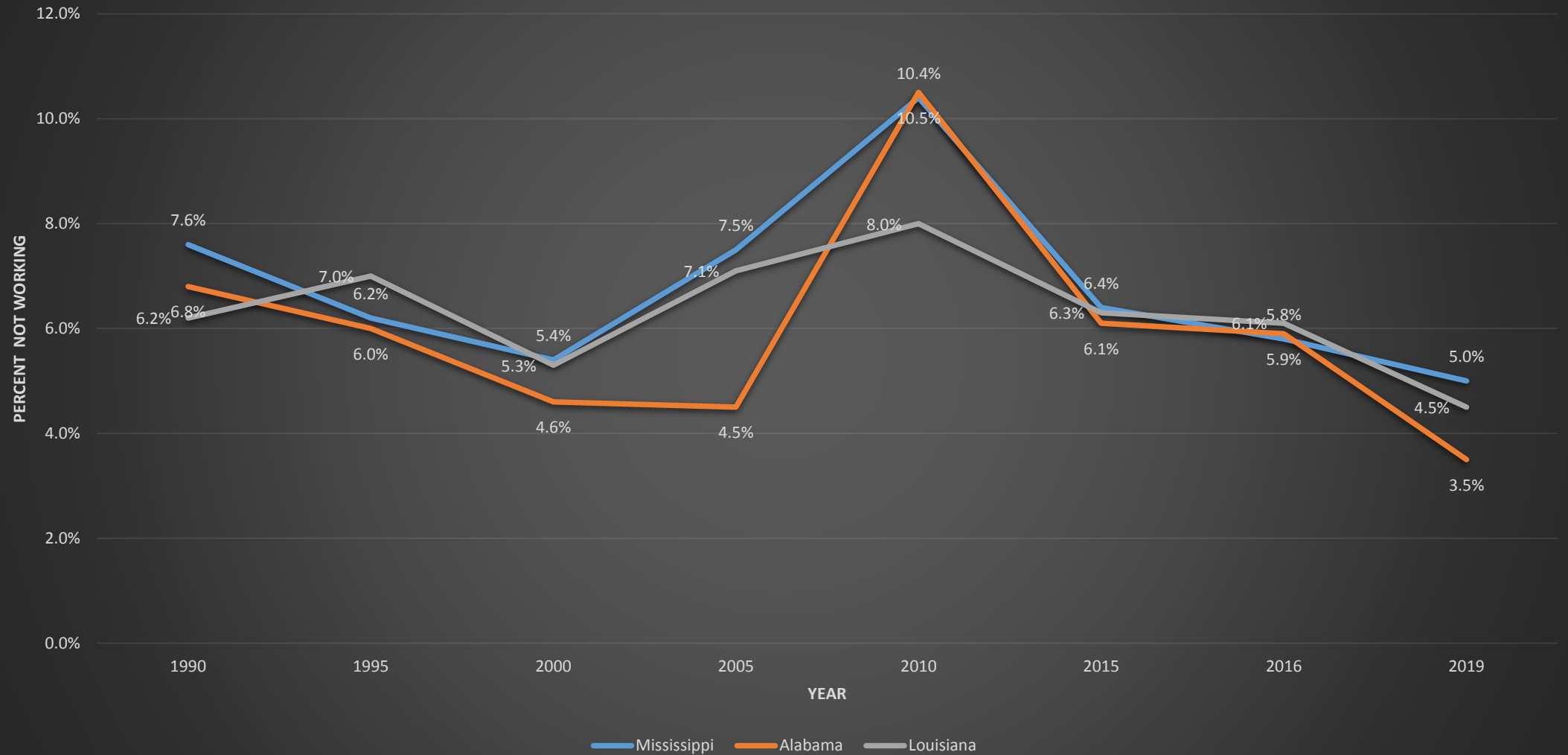
Source: Census.gov – Statistics of U.S. Businesses

Unemployment Rate By City



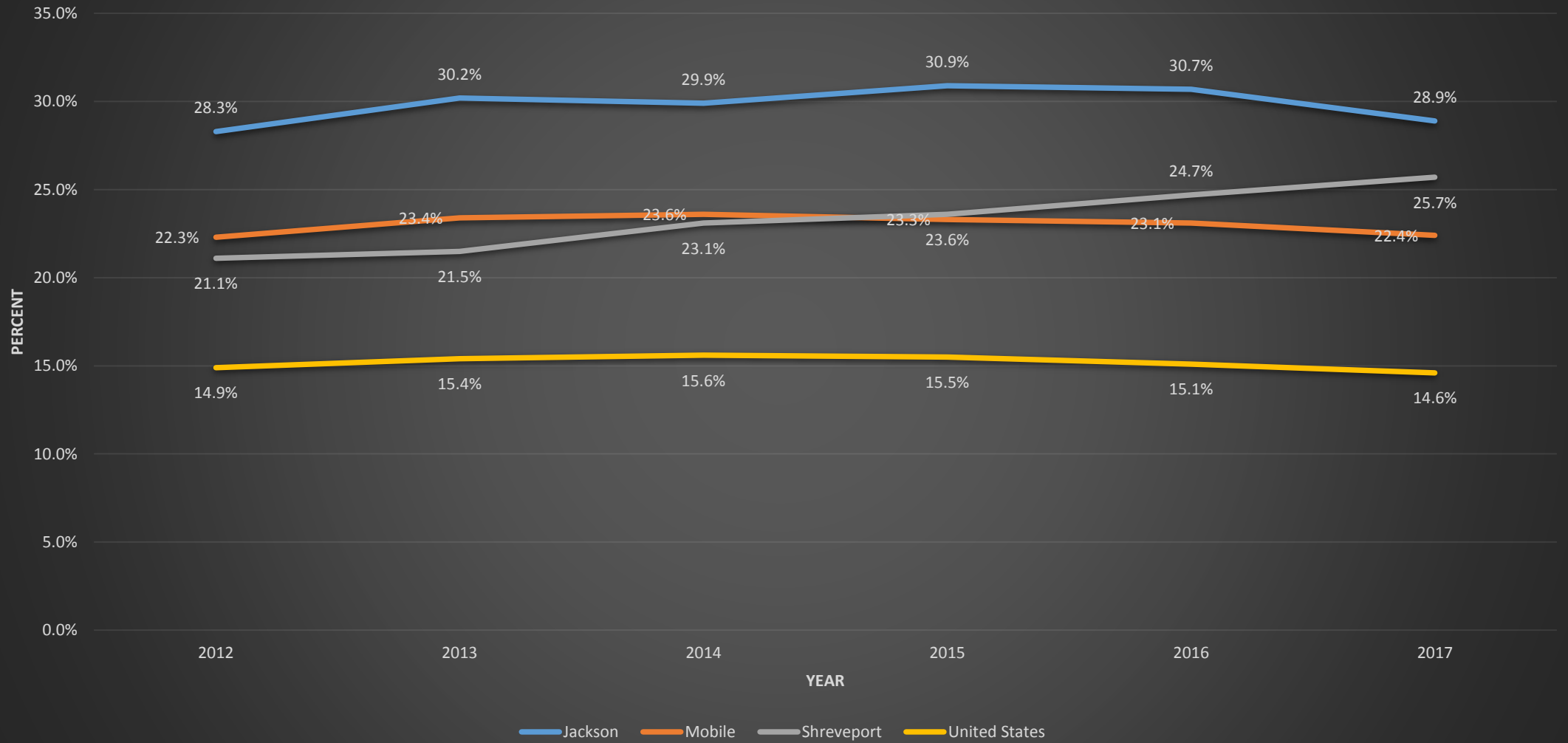
Source: Bureau of Labor Statistics

Unemployment Rate By State



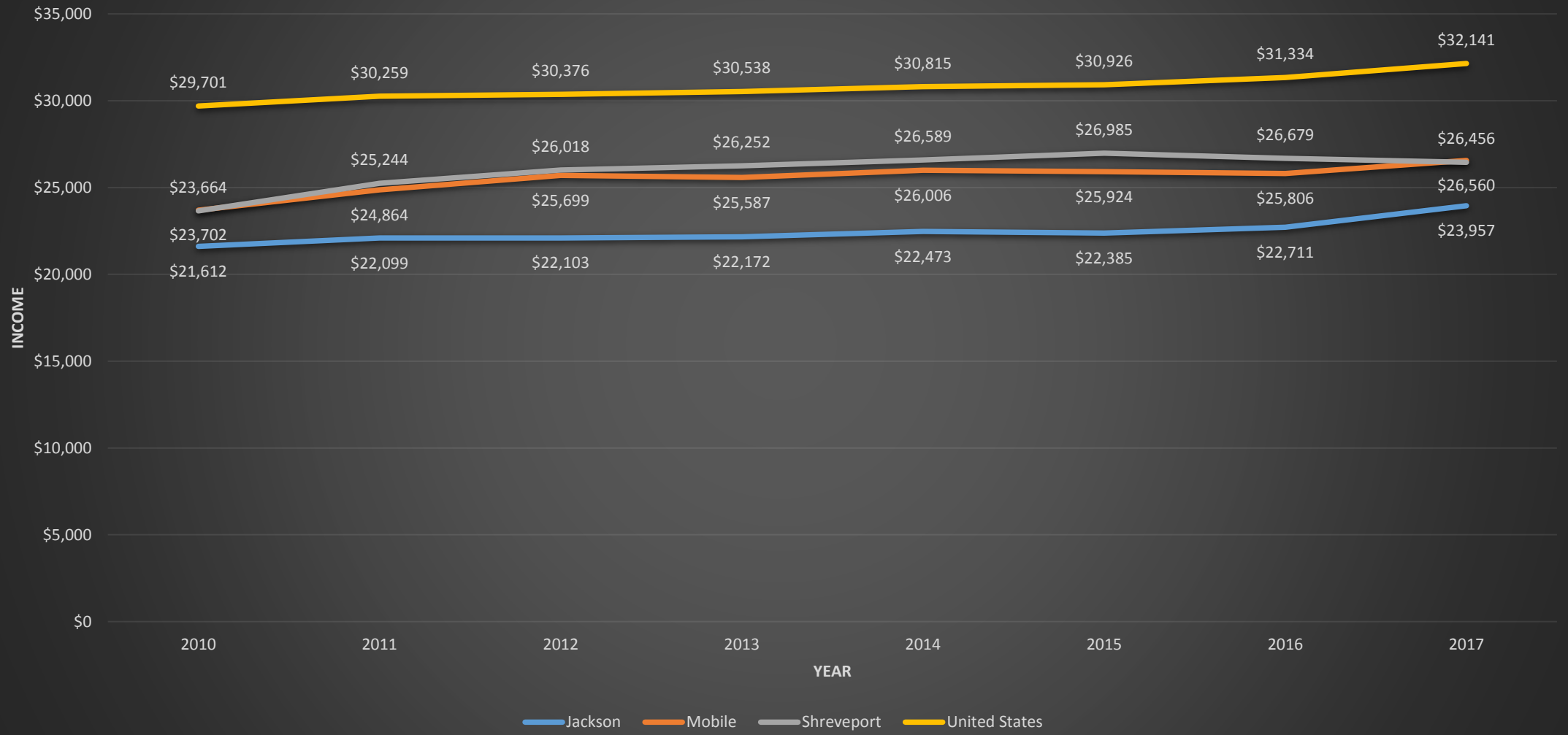
Source: Bureau of Labor Statistics

Below Poverty by Cities



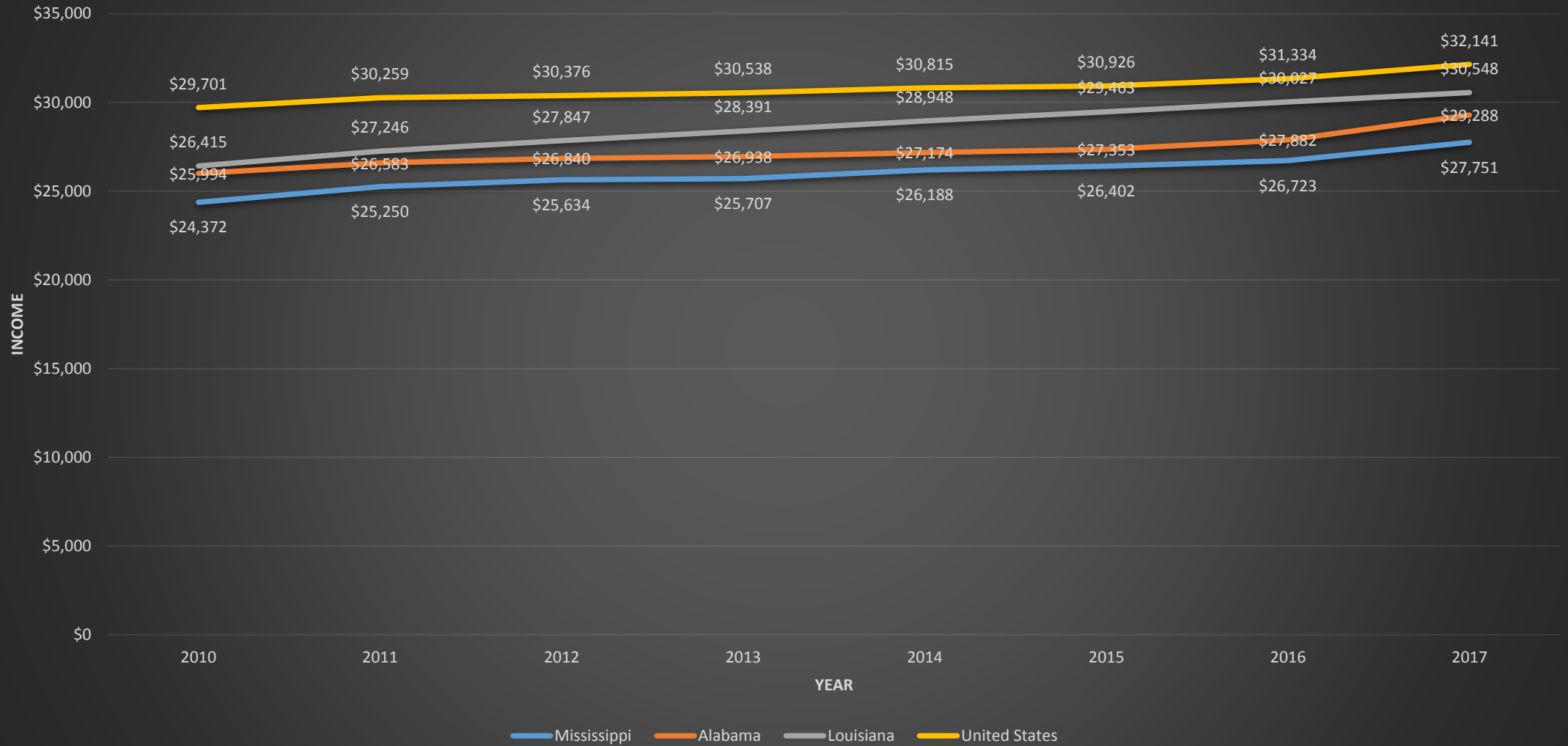
Source: Census.gov

Median Income by City



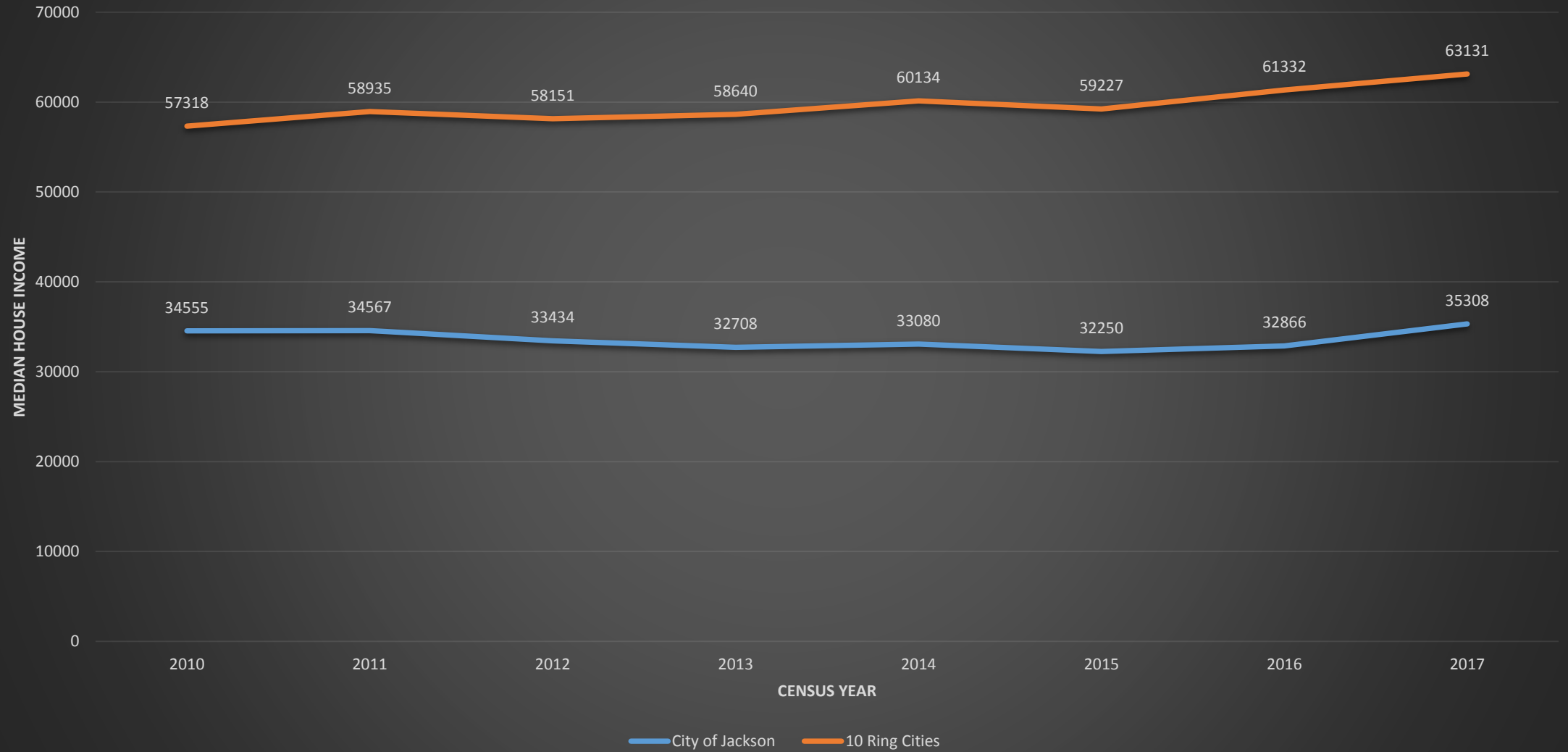
Source: Census.gov

Median Income by State



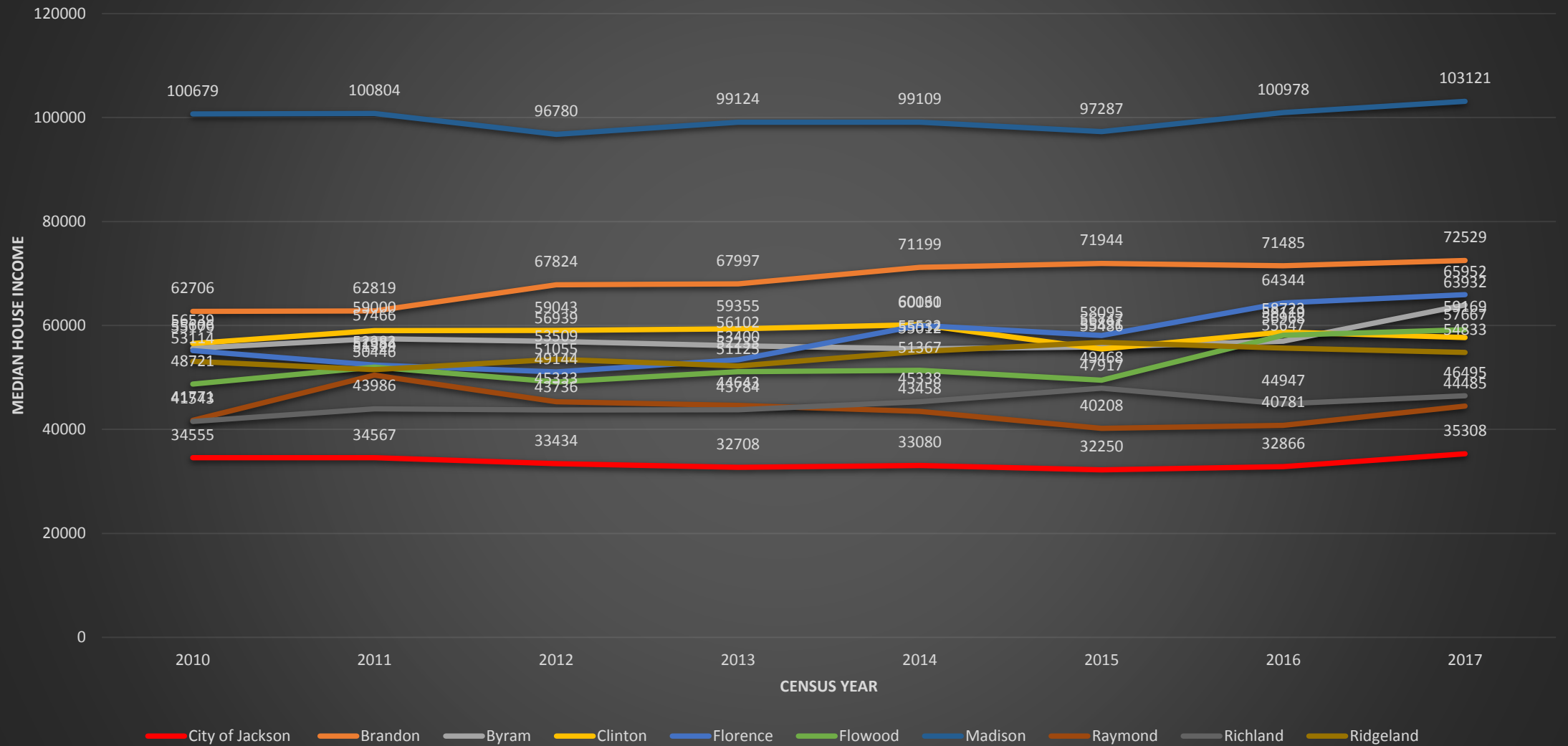
Source: Census.gov

Jackson and Ring Cities Income Gap



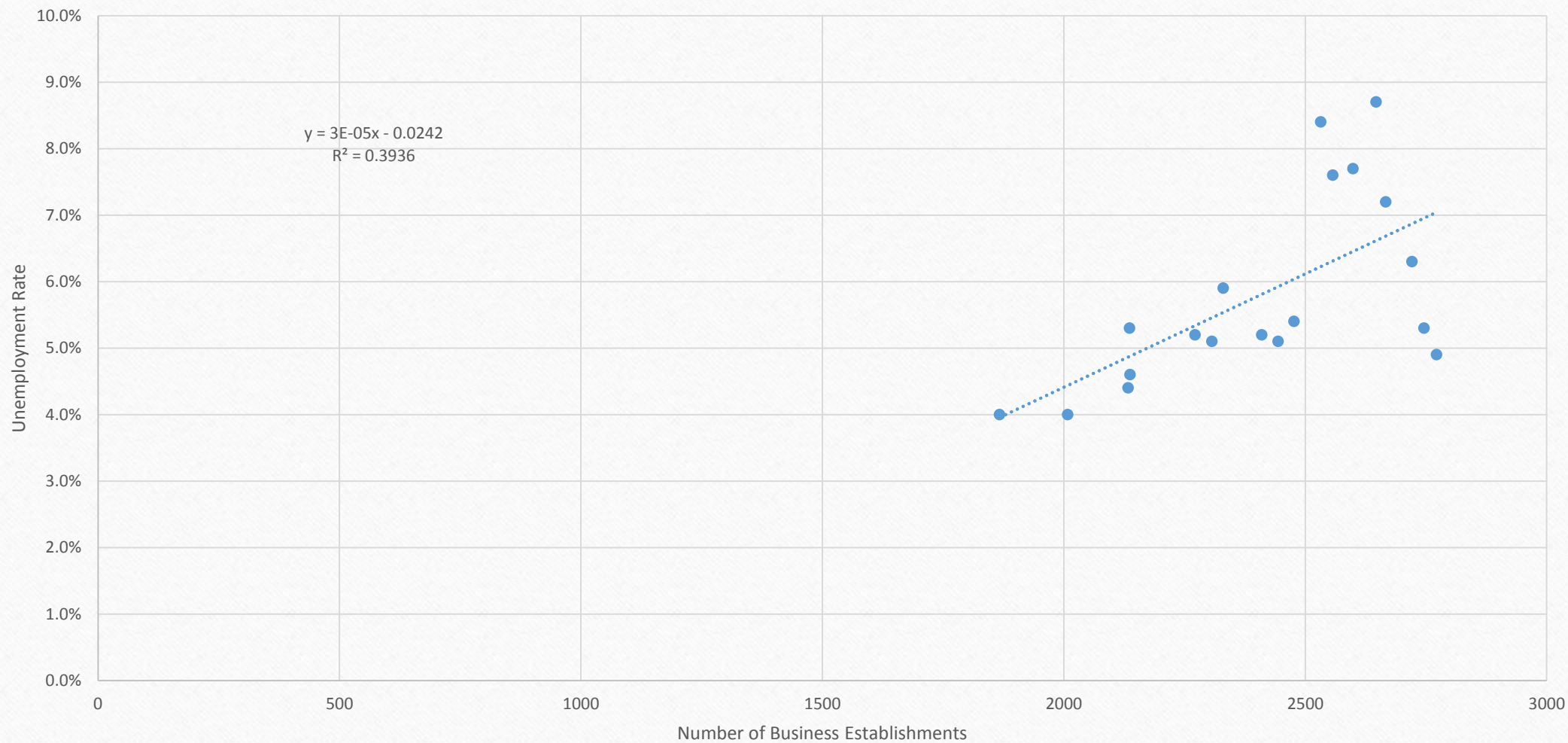
Source: Census.gov

Jackson and Ring Cities Income Gap



Source: Census.gov

Scatterplot for Number of Business Establishments and Unemployment Rate



Source: Census.gov

Research Hypotheses

- H_{1A} : There Is a Relationship Between Murder and Out Migration.
- H_{1B} : There Is a Relationship Between Violent Crime and Out Migration.
- H_{1C} : There Is a Relationship Between Robbery and Out Migration.
- H_{1D} : There Is a Relationship Between Property Crime and Out Migration.
- H_2 : There Is a Relationship Between Number of Business Establishments and Unemployment Rate.
- H_2 : There Is a Relationship Between Out Migration and Income Gap Between Inner City and Ring Cities.

Research Hypotheses

- **Null Hypothesis:**

- H_0 : There Is No Relationship Between Crime Incidents and Out Migration.
- H_0 : There Is No Relationship Between Number of Establishments and Unemployment Rate.

Data Analysis

- In the research proposal, the study will use determined level of measurement, carefully constructed research questions, data selection, and selected variables to test reliability and validity of research.
- The selection of cities with comparable demographics was important for reliability.

Data Analysis

- The study will use secondary data whose measures have been used before and whose reliability and validity have been established. The study will attempt to prove the hypothesis by studying three cities (Mobile AL and Shreveport LA) comparable with Jackson, MS and its ring cities.
- The study will compare the state of urban decline on the three MSAs based on the factors determined in the literature review and selected data analysis.

Research Methodology

- The Study Will Use Quantitative Methods To Test The Proposed Hypothesis.
- The Independent Variables are Violence (Murder, Violent Crime, Robbery, and Property Crime), Number of Business Establishments, and Out-Migration. The Dependent Variables are Income Gap, Unemployment Rate, and Out-Migration of Inner City Population.
- Measures In Study Will be Tested With Multiple Regression and Correlation.

Research Methodology

- Regression and Correlation - A scatter diagram (also called scatterplot) is a quick visual method used to display relationships between two interval-ratio variables (Frankfort-Nachmias and Leon-Guerrero 2015).
- Equations for all straight lines have the same general form: $Y = a + b(X)$
- The best-fitting regression line is that line where the residual sum of squares, or $\sum e^2$, is at a minimum. Such a line is called the least squares line, and the technique that produces this line is called the least squares method.

Research Methodology

- The coefficient of determination (r^2) and Pearson's correlation coefficient (r) measure how well the regression model fits the data. Pearson's r also measures the strength of the association between the two variables.
- The general form of the multiple regression equation involving two independent variables is:
$$Y = a + b_1(X_1) + b_2(X_2)$$
- Pearson's r is a measure of relationship or association for interval-ratio variables.
- Pearson correlation, it ranges from 0.0 to ± 1.0 , with 0.0 indicating no association between the two variables (Frankfort-Nachmias and Leon-Guerrero 2015).

Research Methodology

- The Study Will Attempt To Prove The Hypothesis By Studying Three Cities (Mobile AL and Shreveport LA) Comparable with Jackson, MS and Its Ring Cities.
- The Study Will Compare The State Of Urban Decline On The Three MSAs Based On The Factors Determined In The Literature Review and Selected Data Analysis.
- The Quasi-Experimental Design Of Research Will Be Used Because Matching (Nonequivalent Control Group Design) Instead Of Randomization Is Used In The Study, And The Unit Of Analysis Is Not Individuals.

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