

MICROSOFT POWER BI DESKTOP

New Jersey State Data Center
Annual Network Meeting

June 14, 2017

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Chief New Jersey State Data Center





NEW JERSEY STATE DATA CENTER



- ▶ **Office of Research and Information (ORI)**
 - ▶ Maintains and Disseminates Key Economic Data on Website
 - ▶ **Bureau of Labor Statistics (BLS)**
 - ▶ Unemployment Rate (LAUS)
 - ▶ Current Non-Farm Employment (CES)
 - ▶ Wage Data by Occupation and Industry (OES)
 - ▶ Quarterly Census of Employment and Wages (QCEW)
 - ▶ Industry and Occupational Employment Projections
 - ▶ **US Census Bureau**
 - ▶ Decennial Census/ American Community Survey
 - ▶ Economic Census
 - ▶ Population Estimates
 - ▶ Population and Labor force Projections
 - ▶ **Bureau of Economic Analysis (BEA)**
 - ▶ State and Local Annual/Quarterly Personal Income Data

▶ Goal

- ▶ Better and More Efficient Delivery and Dissemination of Data to Both Our Internal and External Customers

▶ Problems

- ▶ Aging Dynamic/Guided Search Data Tools
- ▶ Increased Demand for Internal Performance Analytics

▶ Barriers

- ▶ Not Enough IT Staff to Support/Update/Upgrade Current Guided Search Tools
- ▶ New Solutions Cost Prohibitive
 - ▶ Tableau, Socrata, SAS Visual Analytics, Policy Map

► Solution

► Microsoft BI Desktop (BI – Business Intelligence)

- Powerful Desktop Infographics/Dashboard/Analytics Software
- Works With Multiple File Types at Same Time
- Accepts Data From a Wide Array of Databases
- It's Microsoft
 - Seamless Integration With Access and Excel Files
 - Intuitive to Microsoft Product Users
- It's FREE!!!!
 - Professional Version Very Affordable (\$8.99 per Month per User License)
- Easy to Learn
 - Vast Library of Tutorials, You Tubes, and User Community Resources Available
- Monthly Updates
 - Product Continues to Become More Detailed and Versatile
- Government Version Now Available
 - Allows Government Agencies to Publish to Their Websites



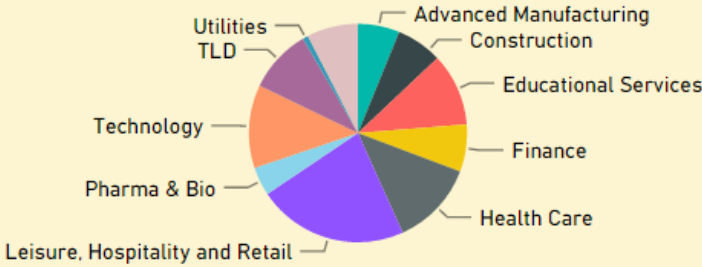
► Demonstration



New Jersey Industry Cluster Characteristics



Industry Totals and Percentages



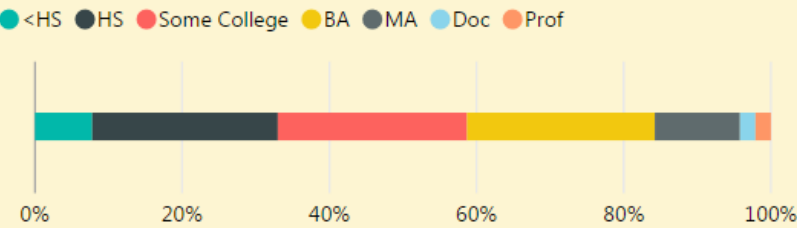
Industry Cluster

- Advanced Manufacturing
- Construction
- Educational Services
- Finance
- Health Care
- Leisure, Hospitality and Ret...
- Pharma & Bio
- Technology
- TLD
- Utilities
- Utilities and Construction

Full-Time vs Part-Time Workers



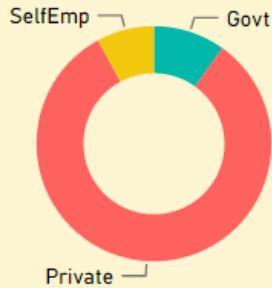
Educational Attainment



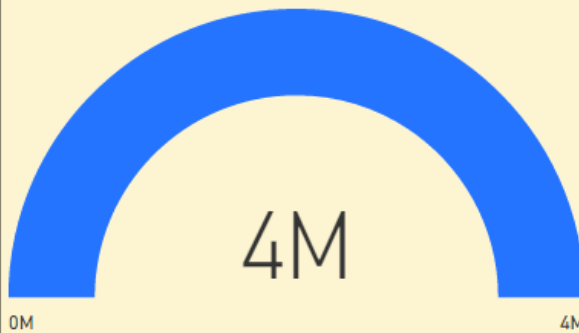
Wages (in Thousands)

- <\$25
- \$25 - \$50
- \$50 - \$75
- \$75 - \$100
- \$100 - \$150
- \$150 - \$200
- \$200+

Class of Worker

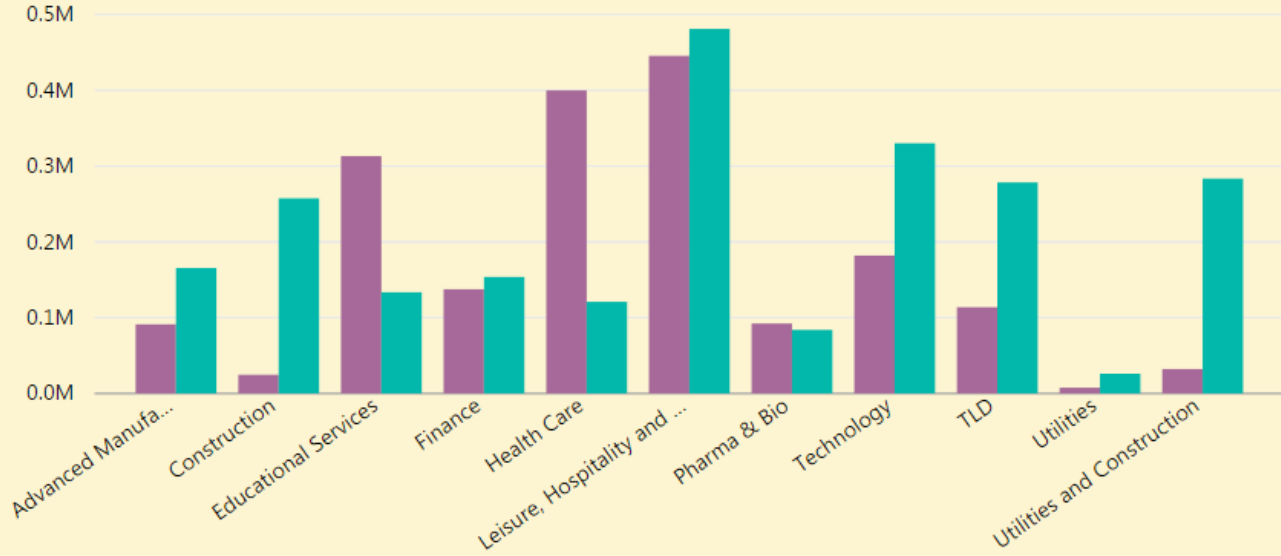


Industry Population Compared to Total



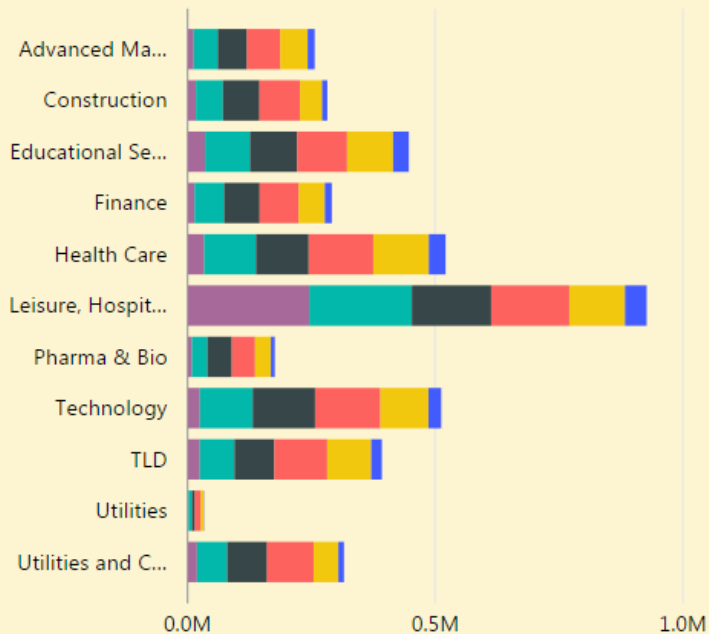
Industries by Sex

Sex Female Male



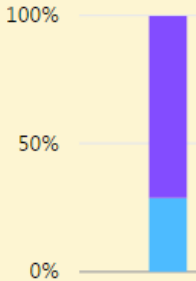
Population Age Group

Age Group <25 25-34 35-44 45-54 55-64 65+



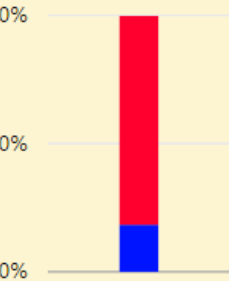
Nativity Comparison

Foreign Native

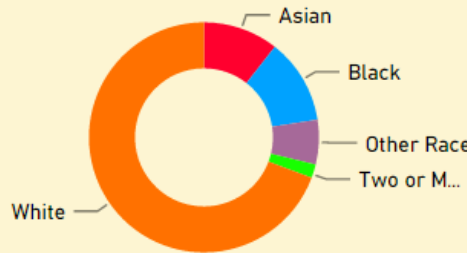


Hispanic Origin

Hisp Non-Hisp



Race Distribution



Employed

3,939,116

Unemployed

214,665

Unemployed

5.17%

Using Filters

- Hover cursor over yellow filter boxes and scroll to view all options
- Manually check a box to select
- Hover cursor over visuals to see data
- Click a category in a visual to narrow data
- Click icon in the top right corner of yellow boxes to clear selections

New Jersey Unemployment Insurance Claimants (10/01/16 - 12/16/16)

Total Claimants

158,183

County

- ☐ Atlantic County, NJ
- ☐ Bergen County, NJ
- ☐ Burlington County, NJ
- ☐ Camden County, NJ
- ☐ Cape May County, NJ
- ☐ Cumberland County, NJ
- ☐ Essex County, NJ
- ☐ Gloucester County, NJ
- ☐ Hudson County, NJ
- ☐ Hunterdon County, NJ

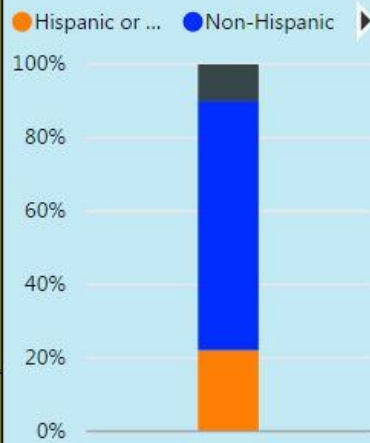
Industry

- ☐ Accomodation & Food Se...
- ☐ Admin. Support & Waste ...
- ☐ Agriculture, Forestry, Fishi...
- ☐ Arts, Entertainment, & Rec...
- ☐ Chose not to answer
- ☐ Construction
- ☐ Educational Services

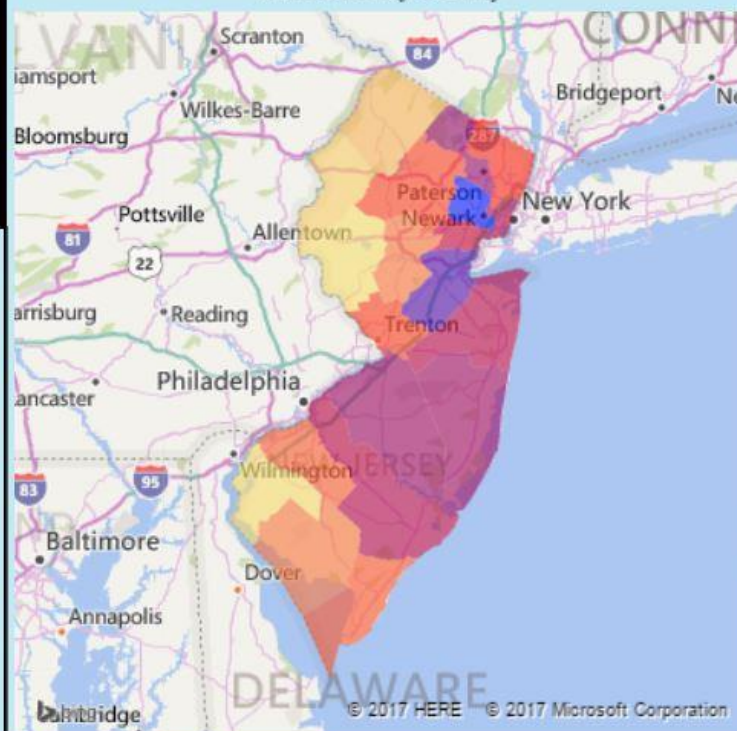
Occupation

- ☐ AdmSupport
- ☐ Clean/Maint
- ☐ Comm/SocServ
- ☐ Const/Extract
- ☐ Edu/Train/Libr
- ☐ Entertain

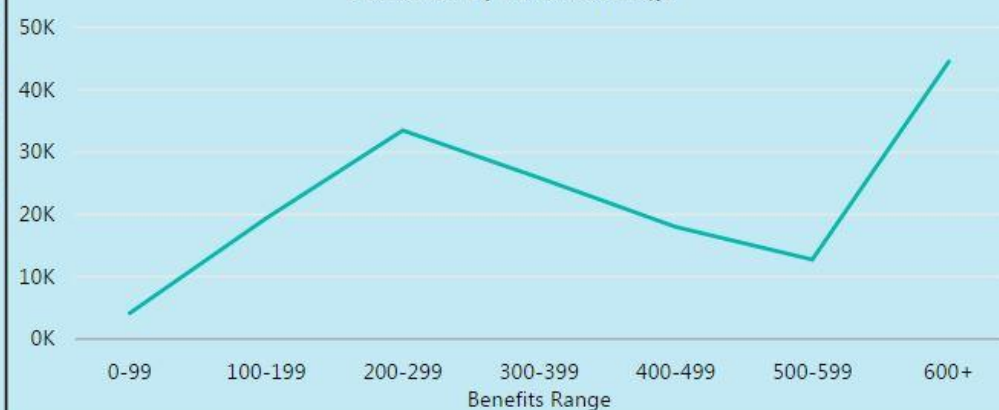
Hispanic Origin



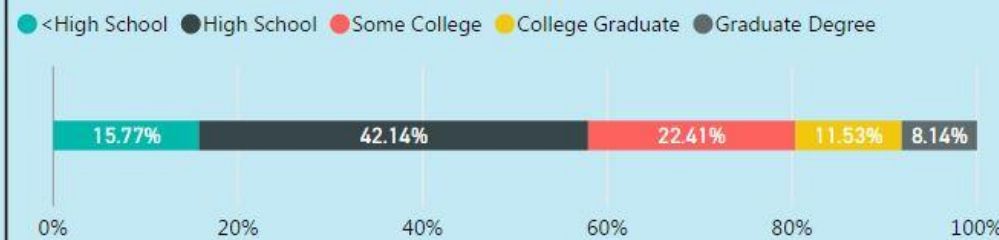
Claimants by County



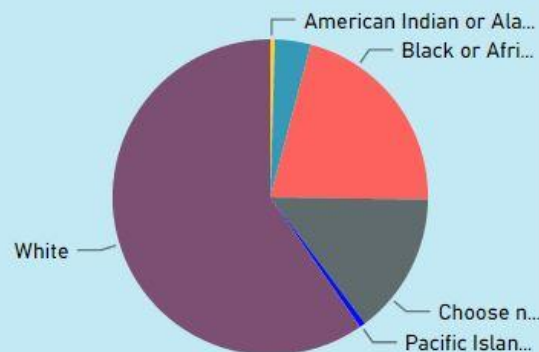
Claimants by Benefits Range



Claimants by Educational Attainment



Claimants by Race



Claimants by Gender



Claimants by Approximate Age

