MICROSOFT POWER BI DESKTOP

New Jersey State Data Center
Annual Network Meeting

June 14, 2017

Len Preston
Chief New Jersey State Data Center

NEW JERSEY STATE DATA CENTER

NJ SDC

▶ **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

NEW JERSEY STATE DATA CENTER
NJ SDC

▸ Solution

▸ Microsoft BI Desktop (BI – Business Intellegence)

▸ 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 Versitile

▸ Government Version Now Available
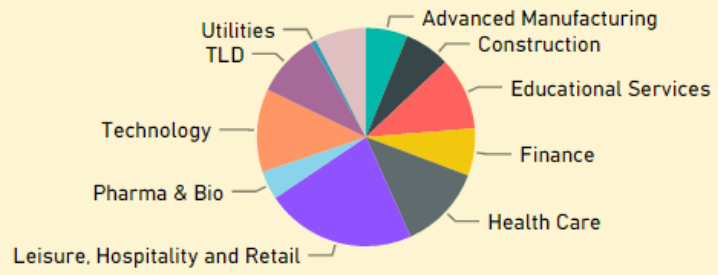
▸ Allows Government Agencies to Publish to Their Websites

▶ Demonstration

New Jersey Industry Cluster Characteristics

Industry Totals and Percentages

Pie chart segments: Advanced Manufacturing, Construction, Educational Services, Finance, Health Care, Leisure, Hospitality and Retail, Pharma & Bio, Technology, TLD, Utilities

Full-Time vs Part-Time Workers

Full-Time | Part-Time

Educational Attainment

●<HS ●HS ●Some College ●BA ●MA ●Doc ●Prof

0%   20%   40%   60%   80%   100%

Industry Cluster

☐ Advanced Manufacturing
☐ Construction
☐ Educational Services
☐ Finance
☐ Health Care
☐ Leisure, Hospitality and Ret...
☐ Pharma & Bio
☐ Technology
☐ TLD
☐ Utilities
☐ Utilities and Construction
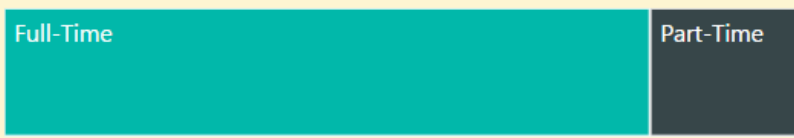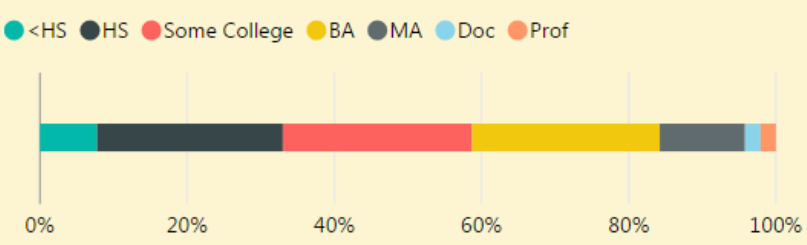
Wages (in Thousands)

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

Employed	
Employed	3,939,116
Unemployed	214,665
Unemployed	5.17%

Class of Worker

SelfEmp, Govt, Private
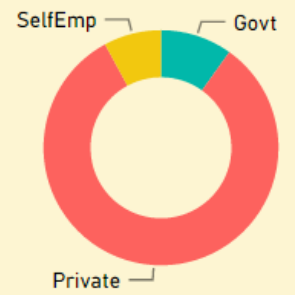
Industry Population Compared to Total
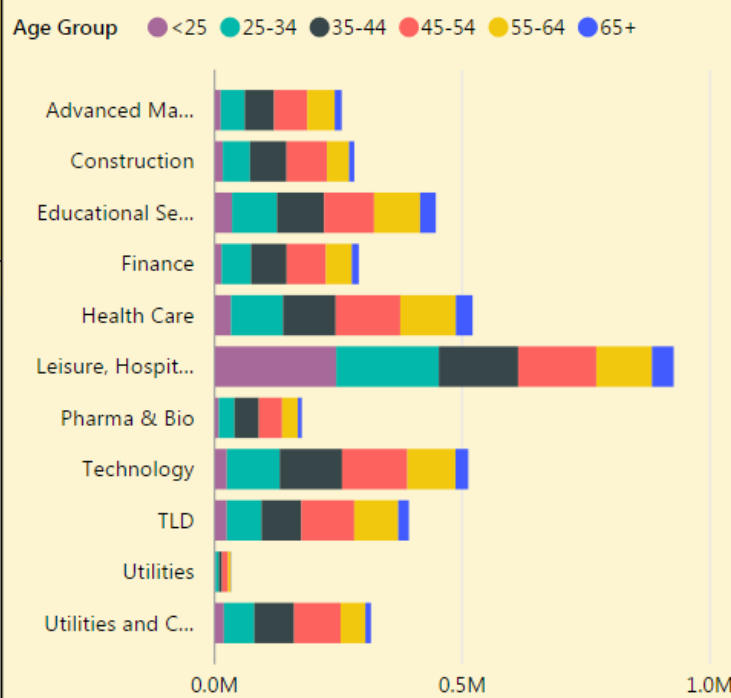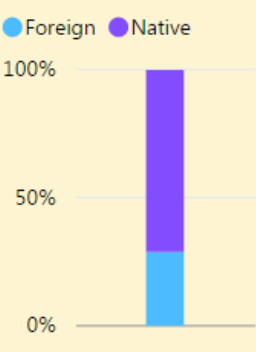
0M — 4M — **4M**

Industries by Sex

Sex ●Female ●Male

0.5M
0.4M
0.3M
0.2M
0.1M
0.0M

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

Population Age Group

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

Advanced Ma..., Construction, Educational Se..., Finance, Health Care, Leisure, Hospit..., Pharma & Bio, Technology, TLD, Utilities, Utilities and C...

0.0M   0.5M   1.0M

Nativity Comparison

●Foreign ●Native

100%
50%
0%

Hispanic Origin

●Hisp ●Non-Hisp

100%
50%
0%

Race Distribution

Asian, Black, Other Race, Two or M..., White
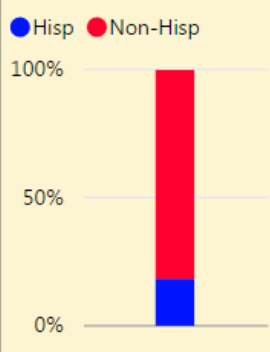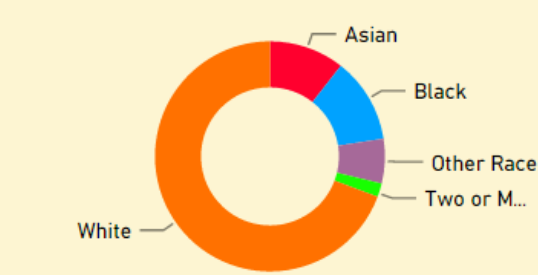
New Jersey Unemployment Insurance Claimants (10/01/16 - 12/16/16)

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
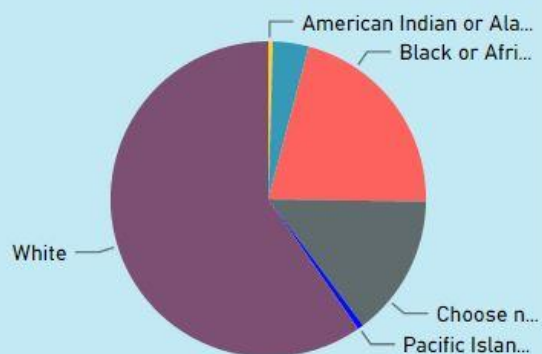- [ ] Construction
- [ ] Educational Services

Occupation

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

Total Claimants

158,183

Hispanic Origin

● Hispanic or ...   ● Non-Hispanic   ▶
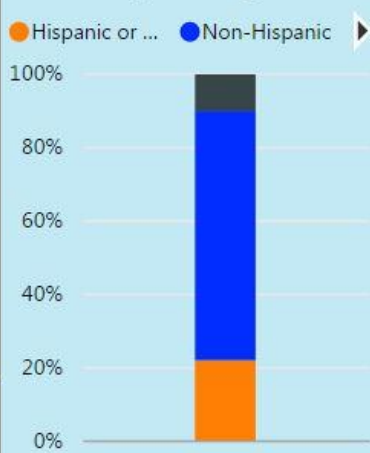
Claimants by County
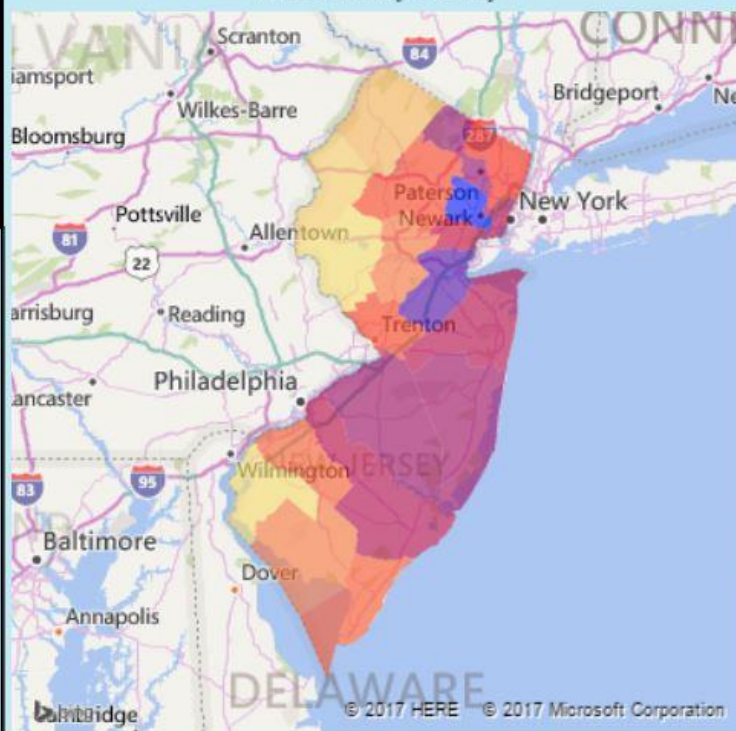
Claimants by Benefits Range

Benefits Range: 0-99, 100-199, 200-299, 300-399, 400-499, 500-599, 600+
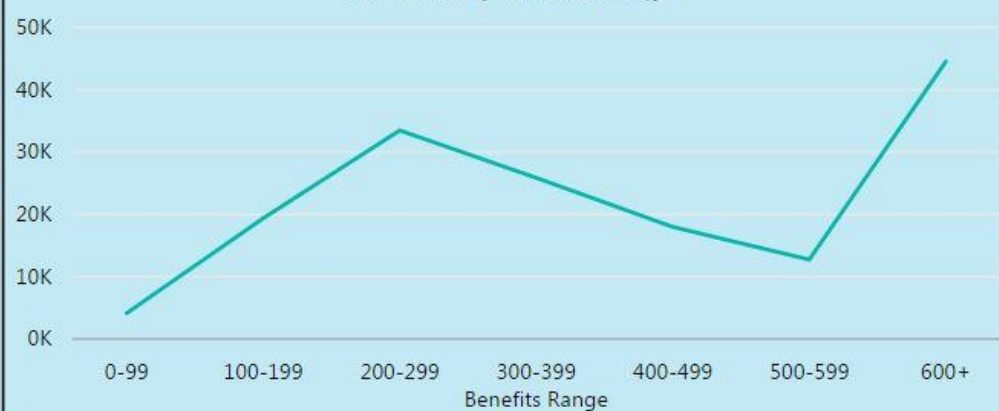
Claimants by Educational Attainment

● <High School   ● High School   ● Some College   ● College Graduate   ● Graduate Degree

| 15.77% | 42.14% | 22.41% | 11.53% | 8.14% |

Claimants by Race

- White
- American Indian or Ala...
- Black or Afri...
- Choose n...
- Pacific Islan...

Claimants by Gender

- Female
- Male

Claimants by Approximate Age

4.2K, 3.3K, 2.9K, 3.8K, 3.0K, 1.1K, 0.0K, 0.1K