



New Mexico Data Focus

Introducing Data Dashboards Through Tableau

In February, the Economic Research and Analysis Bureau (ER&A) began publishing **DATA DASHBOARDS**. Dashboards are an exciting addition to the products ER&A provides, as they present data in a new format—interactive visualizations.

This Data Focus provides information on what dashboards are, why they're being produced, how you can use them, and where you can access them. Screenshots of existing dashboards are used to highlight this new tool. Tableau is the software used to produce the dashboards.

What Is A Dashboard?

Dashboards are...

- Online data visualizations like maps, charts, and graphics
- Interactive and allow the user to customize the data they see
- Streamlined to focus on data that are typically the most important and relevant

DASHBOARDS

- Economic Snapshot
- Employment Growth
- Unemployment Trends
- Occupational Wages
- Employment Projections
- Occupational Outlook

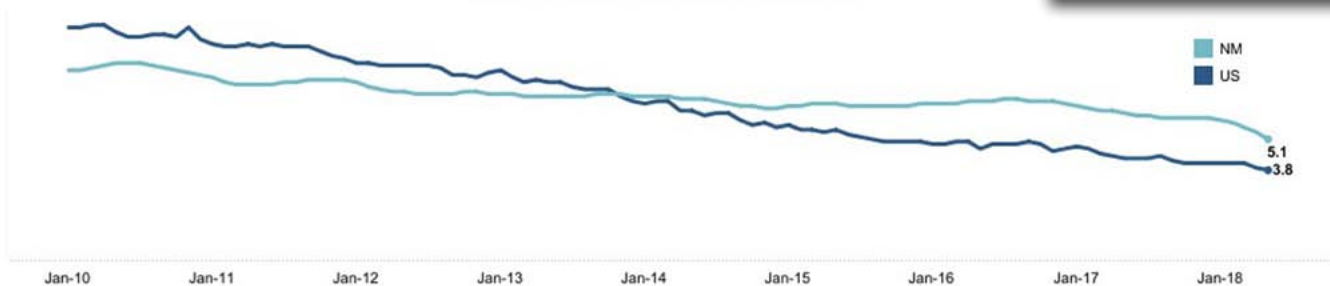
WHAT THEY'RE ABOUT

- State & Local Information
- Current & Historical Data
- Customizing What You See
- Quick Snapshots of the Data You Need

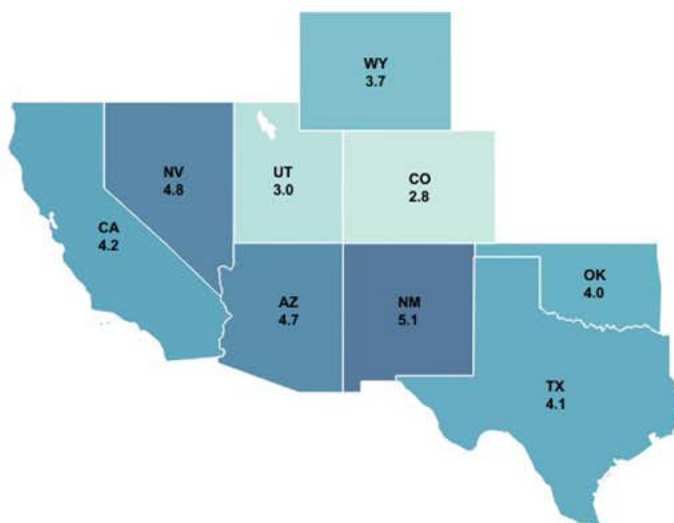
Employment Situation Dashboard

New Mexico Employment Snapshot

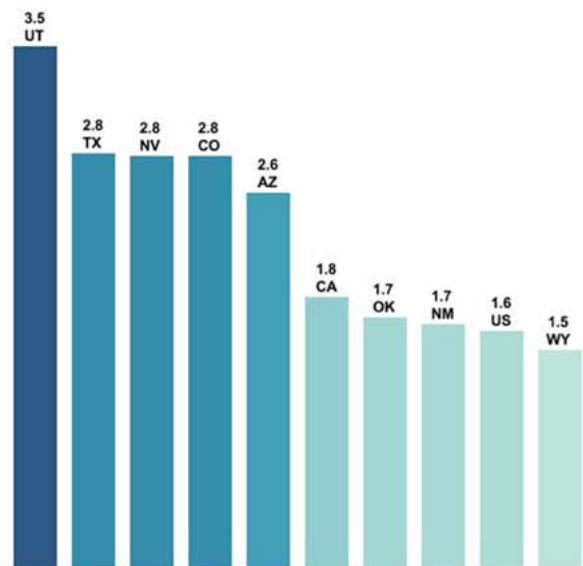
New Mexico & United States Unemployment Rates (%)
Seasonally Adjusted, Jan 2010 through May 2018



Regional Unemployment Rates (%)
Seasonally Adjusted, May 2018



Regional Over-the-Year Employment Growth (%)
Not Seasonally Adjusted, May 2017 to May 2018



Why Is ER&A Publishing Dashboards?

As the wholesaler of labor market information, ER&A knows it's important that our users have quick and easy access to the data most often used by our customers. Some of our users need to dive into the data for in-depth analysis. But, others need a summary of the most-used and most-informative data on New Mexico's labor market.

That's where data dashboards come in. We've packaged our data into visualizations that get to the point and provide the most relevant information for each topic. They also improve the user experience by allowing our customers to interact with the data directly. These dashboards are available through just a few clicks.

Don't worry. You don't lose any data options. The dashboards typically provide as much data as is available for New Mexico's local areas and regions. The visualizations just put you in the driver's seat in selecting the data you want to see. For example, in the Current Employment Statistics Dashboard (screenshot) you can choose which area's data you want to see (in this case New Mexico or Metropolitan Statistical Area). You can even highlight specific industry sectors by clicking on those options directly within the bar charts/tree map.

Current Employment Statistics Dashboard



Where To Find Our Dashboards?

ER&As dashboards are available by topic through the NMDWS website: www.dws.state.nm.us. Hover over the Labor Market Information menu. Most of the dashboards are available within the pages under the Data, Statistics & Dashboards sub-menu (1). One dashboard is available by clicking on Additional Information (2). Most of these pages will include one or more dashboards.

The screenshot shows the website's navigation structure. The main menu includes: Home, Job Seeker, Unemployment Insurance, Business, Labor Relations, Veterans, Labor Market Information (highlighted), and WIOA And Partners. A search icon is also present. The 'Labor Market Information' sub-menu is expanded, showing three main categories: 'Data, Statistics & Dashboards' (marked with a red '1'), 'Resources', and 'Publications'. The 'Data, Statistics & Dashboards' category lists: Labor Force & Unemployment, Employment & Industry, Occupations & Wages (highlighted), Employment Projections, In-Demand and STAR Occupations, US Consumer Price Index, and Other Data Resources. The 'Resources' category includes: Request to be Added to LMI Publication, Email Notifications, Why I Work, and LASER. The 'Publications' category includes: Monthly News Release, Labor Market Review, Reports & Special Analysis, Career & Employment Resources, Veteran-Specific Resources, Understanding LMI, and 2018 Publication Schedule. On the right side, there is an 'Additional Information' section (marked with a red '2') with a link 'Click here to...' and a graphic that says 'EXPLORE NEW MEXICO'S LABOR MARKET INFORMATION'.

Here's a list of the dashboards currently available:

ADDITIONAL INFORMATION

Employment Situation Dashboard

LABOR FORCE & UNEMPLOYMENT

Local Area Unemployment Statistics Dashboard

EMPLOYMENT & INDUSTRY

Current Employment Statistics Dashboard

OCCUPATIONS & WAGES

Occupational Employment Statistics Dashboard

EMPLOYMENT PROJECTIONS

Industry Employment Projections Dashboard

Occupational Employment Projections Dashboard

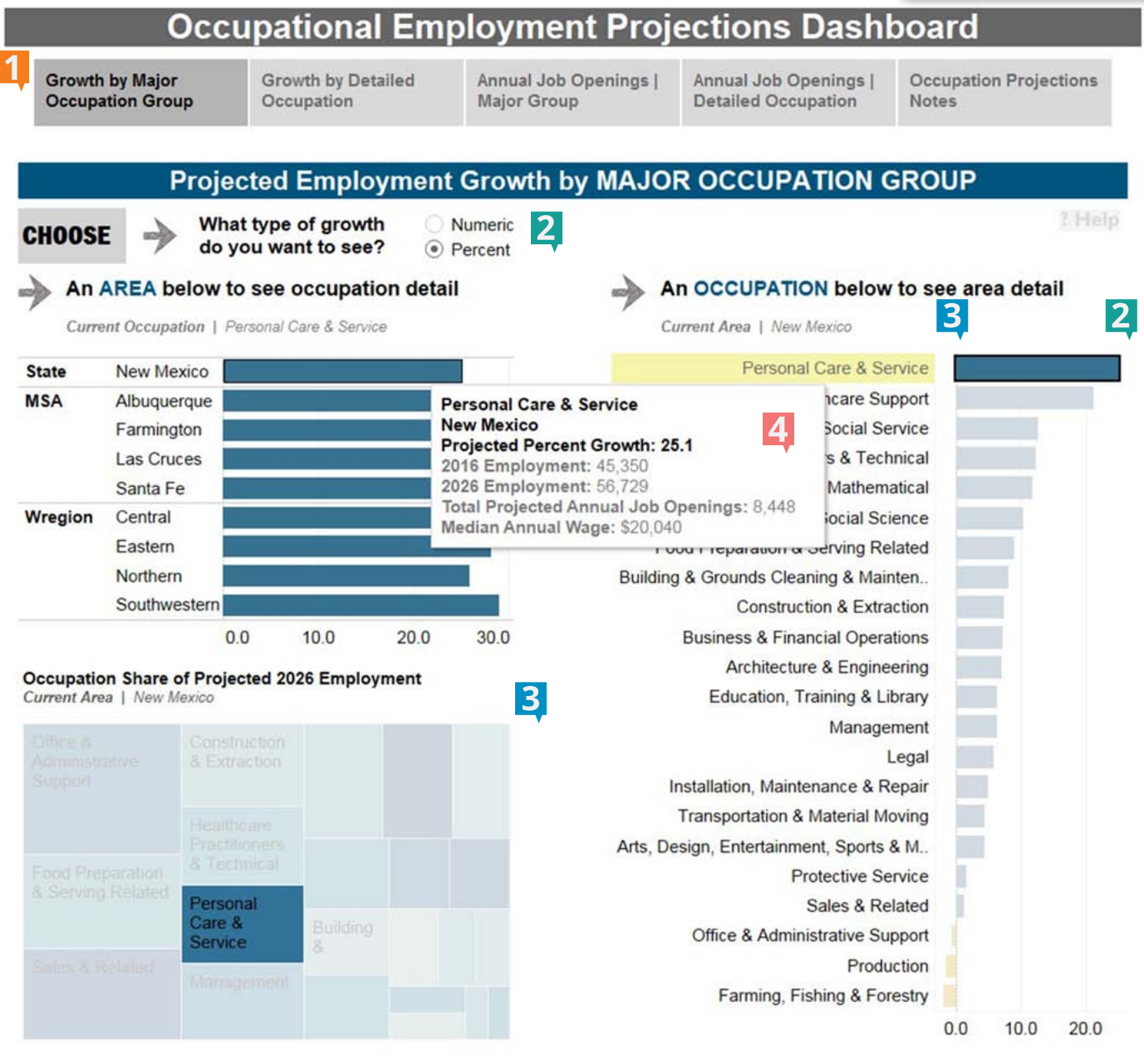


Tips For Using Dashboards

Data dashboards are built to be interactive and customizable. While a lot of data sits behind the scenes, the visualization is made to show you just what you need and want. There are a few key things to know when using dashboards. Use the screenshot of the Occupational Employment Projections Dashboard to follow along.

- 1 Most dashboards have several pages of visualizations. You can scroll through these screens via the tabs at the top of the dashboard.
- 2 There are several ways to customize the data you see. You can select an option from a visible filter (like Numeric or Percent in the screenshot) or you can select an item directly within a chart/map/graph (like the selection of Personal Care & Service in the screenshot). Your selections will ripple through the visualizations on the screen. In the example, selecting New Mexico in the left-hand chart changes the data in the remaining charts.
- 3 When making a selection directly within a chart/map/graph, corresponding data in another chart/map/graph may be highlighted in yellow (or highlighted within a map) to draw your eye to that data element (see screenshot).
- 4 Finally, if you hover over different data elements (for example, New Mexico in the left-hand chart in the screenshot) a “tooltip” will provide other information related to your selection that’s not directly available within the dashboard screen.

Occupational Projections Dashboard



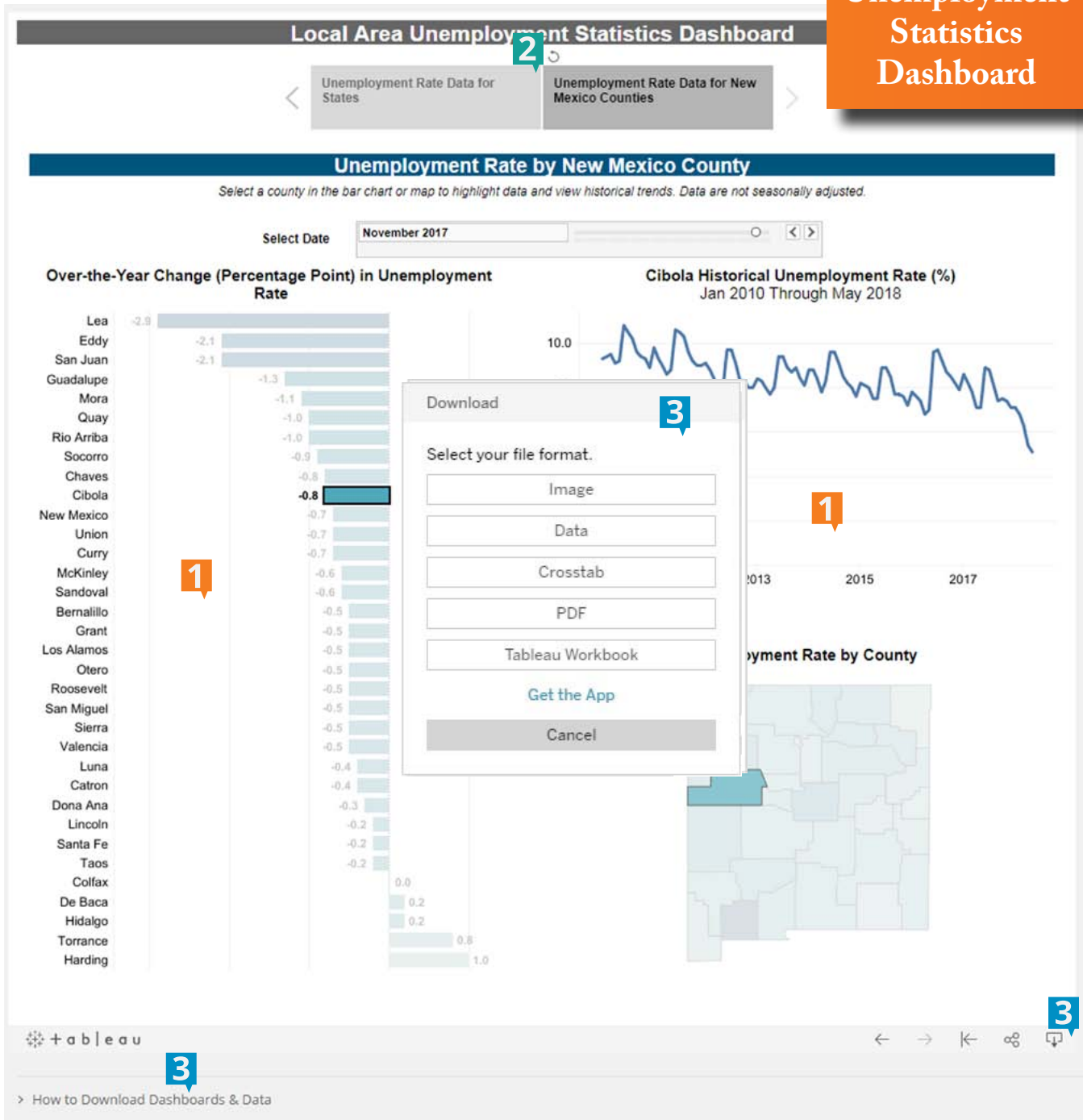
Some other things to know:

(Use the screenshot of the Unemployment Statistics Dashboard to follow along.)

- 1 When making a data selection directly within a chart/map/graph, you can clear that selection by clicking on any empty part of the dashboard page.
- 2 After making your selections, you can return to the default view by clicking the icon just below the dashboard title.
- 3 You can download the visualization and underlying data. Selecting the download icon in the lower right-hand corner of the dashboard will provide a pop-up window with options to download the dashboard as an image (JPEG) or PDF, or download the underlying data in a CSV file or table within a webpage. You can also download the dashboard as a Tableau workbook to view through Tableau Reader. Each dashboard provides instructions on downloading just below the dashboard.

Tableau is the software used to produce ER&A's data dashboards. Many public-sector labor market information groups nationwide have started using Tableau to present their data. You can learn more about Tableau by visiting <https://www.tableau.com/>.

Unemployment Statistics Dashboard



Future Dashboards

ER&A plans to introduce more dashboards to the NMDWS website, including:

OCCUPATIONAL OUTLOOK DASHBOARD

A dashboard that provides information on detailed occupations, including projected job openings, wages, demand indicators, education requirements, and much more!

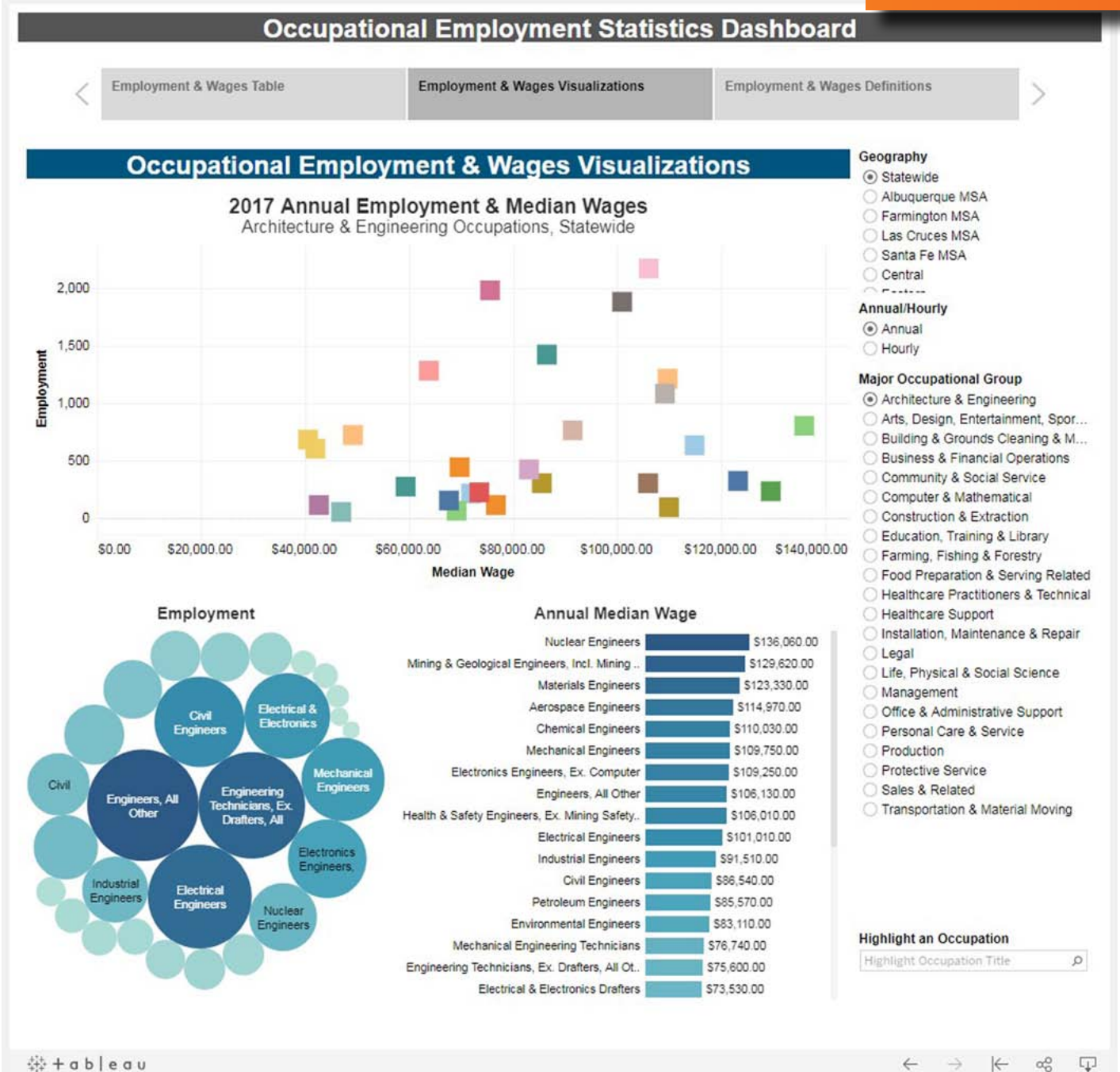
QUARTERLY CENSUS OF EMPLOYMENT & WAGES

A dashboard summarizing the quarterly employment and wage data available from the Quarterly Census of Employment and Wages program.

REGIONAL/LOCAL SNAPSHOTS

Dashboards that provide critical labor market information for New Mexico's regions and local areas, including visualizations on employment growth, wages, and more!

Occupational Employment Statistics Dashboard



For more information on the new data dashboards, or if you have questions or ideas for dashboards that would be useful to you, please contact ER&A at nmdws.economicresearch@state.nm.us or 505-383-2729.