Ohio Colleges of Medicine Government Resource Center
Infant Mortality Opportunity Index Tableau Dashboard
Request for Quotes

Quote Due Date: Friday, January 4, 2019 at 5 P.M. EST

Request for Quotes

The Ohio Colleges of Medicine Government Resource Center (GRC) is seeking services to build a Tableau Dashboard for the Infant Mortality Research Partnership.

Product Summary

The Product will be a Tableau dashboard.

The Product will process a data file with one row per combination of year and geographic region (e.g. standard predefined regions such as census tract and county). The data comprise eight indicators (one summary indicator and seven constituent indicators), along with variables denoting year and a geographic identifier.

The Product will simultaneously display the indicators in a choropleth map, two plots and a table.

The Product will allow the user to select one or more regions for comparison by clicking on the map or in the table. The Product will allow the user to compare values for any of the indicators across any set of regions.

The Product will allow overlaying a map layer containing boundaries for different spatial aggregations.

The Product will respond to user actions such as clicking and hovering by displaying additional information from the supplied dataset.

Mapping

The Product will display a choropleth map of Ohio regions. By default, the summary indicator will be displayed. A user may select any of the other indicators to be displayed.

When the user 'mouses over' or clicks on a region, the value of the selected indicator will be displayed in a modal (pop-up).

The map will have a semi-transparent layer outlining the boundaries of Ohio's 88 counties, with each county labeled inside the county boundary, which the user can select to be displayed or hidden.
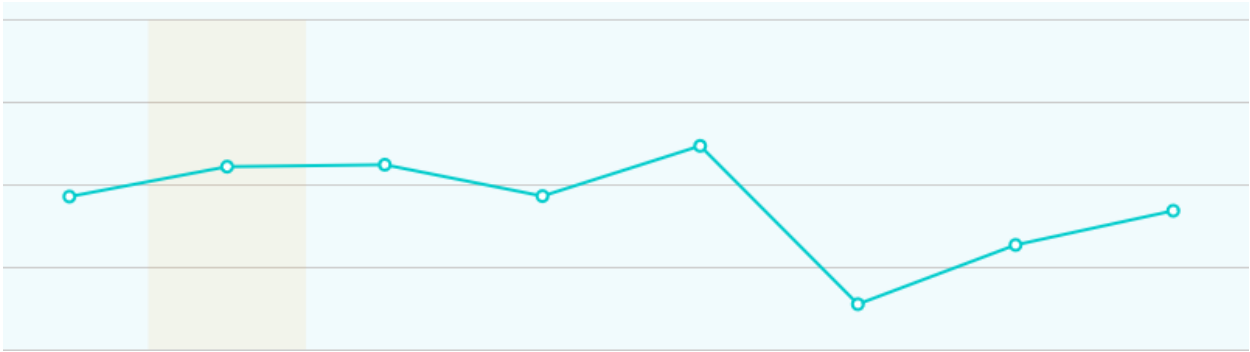
The map can be zoomed in or out by the user. Objects such as text labels will scale appropriately at multiple levels of zoom.
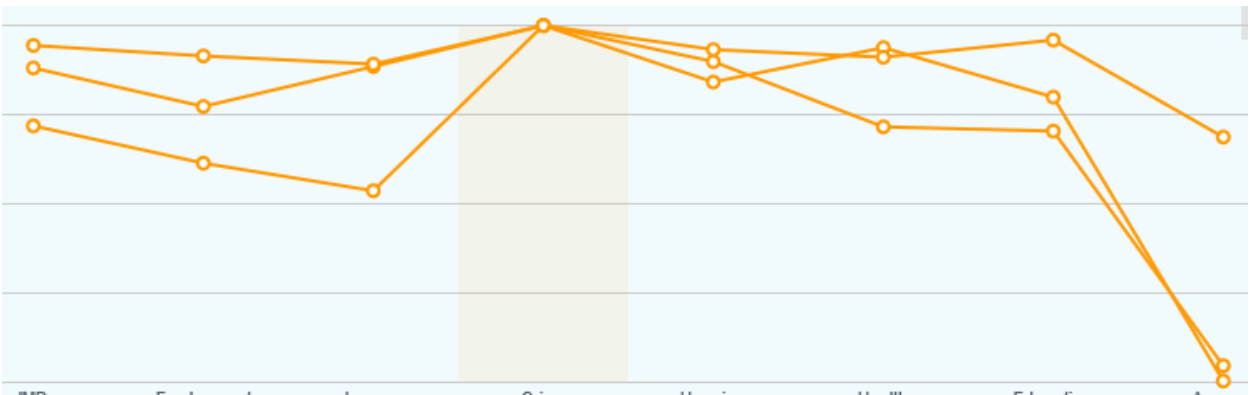
**Plotting**

The Product will contain two plots:

1. A *score* plot indicating each of the eight indicators. For example:


The score plot will not be interactive but will display in response to user selections in the table, *distribution plot*, and map. When a user selects multiple census tracts, the *score plot* displays values for each region. For example:

When multiple regions are selected and a user hovers or clicks on one of the selected regions or a different region, the score plot displays the active region in a contrasting color. For example:
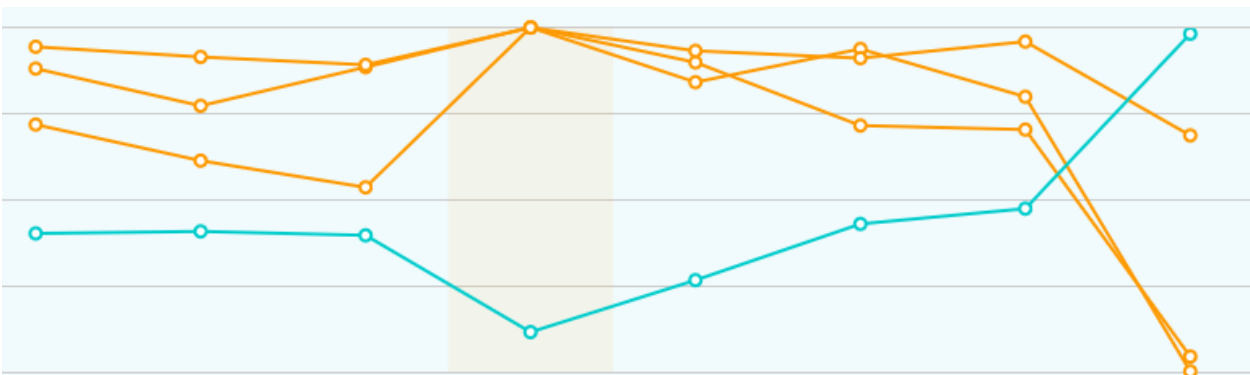

2. A *distribution plot* indicating the distribution of the selected indicator, with the range split into centiles such as quintiles. For example:
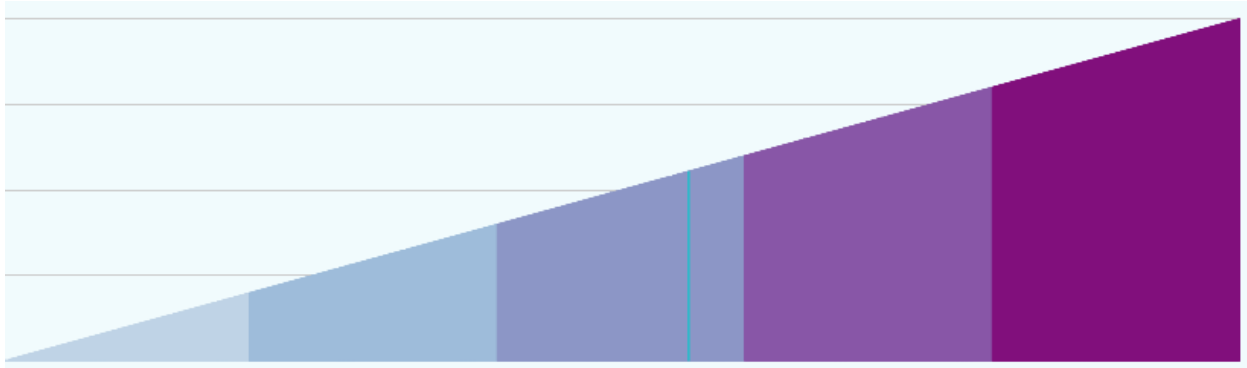
When a region is selected, a vertical line on the distribution plot will highlight the selected region's value of the summary indicator as shown above.

When a user hovers over the distribution plot, a pop-up indicating the region FIPS code and value of the selected indicator will display either proximate to the user's cursor or in another dedicated region. For example:
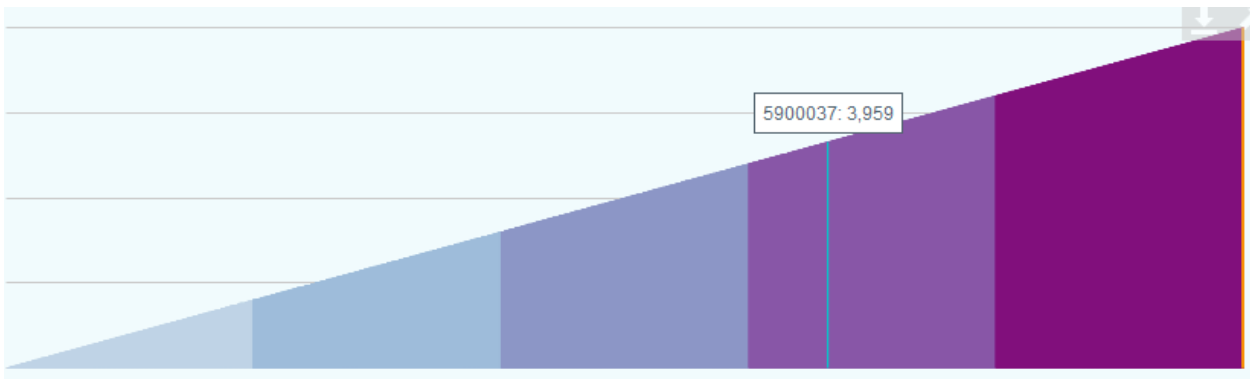
Table

A table will display three columns: (1) region FIPS code, (2) county, and (3) the value of the summary indicator. The table will be able to be sorted by any of the columns. Clicking on a row for a region will (1) highlight the region on the map; (2) display a vertical line on the *distribution plot* to indicate the region's value in the distribution; (3) display scores for that region on the *score plot*. When more than one region is selected (via shift-click or similar), the map and plots will display results for each of the selected regions individually.

Deployment Criteria

The Product must be able to be deployed in the Customer's environment, on a Tableau Server with default configuration. Unless explicitly agreed upon by the Customer, the Product must operate without the use of proprietary add-on packages or code libraries, and quotes indicating no add-on packages or libraries used will be preferred.

The design and layout will be responsive to browser resolutions as low as 1280x768 – scrolling to meet lower resolutions is acceptable.

The Product will work without error or issue in the following browsers: Internet Explorer 11, Chrome browser versions released since January 2018, and Firefox browser versions released since January 2018.

Time Period Selection and Trending

The user will be able to select one of two time periods represented in the data. When a user selects a single time period, results for that time period will be displayed. When more than one time period is selected:

1. The table will display the value of both time periods as well as the difference between the two periods;

2. The score plot, *distribution plot* and choropleth map will display the difference between the two periods.

a. Contextual information in popups will contain the difference as well as the value for the most recent time period selected.

The Product will be designed so that the time period selection is derived from the data rather than hard-coded, such that as new data are added the Product will allow a user to select any of the available time periods in the data without requiring any redesign to the Product.

Exporting Outputs

The Product will allow a user to export the map, table, and score plot. The map and score plot will be exportable in a lossless image format, and the table will be exportable in an editable format such as XLSX or CSV.

Resources

An exemplar for the design and functionality of the Product, albeit minus the ability to examine different time points as indicate above, is visible at http://www.imd.ac.nz/NZIMD_Single_animation_w_logos/atlas.html.

Deliverables

1. A Tableau Workbook meeting all of the functionality requirements indicated in the Product Summary.
2. Any other ancillary files such as stylesheets, configuration files, or metadata required to complement the Product toward meeting the functionality requirements indicated in the Product Summary.
3. A brief (less than 20 pages total and less than 3000 words) user guide in an editable format such as MS Word containing instructions on the use of the Product.

Partner Expectations

1. The GRC will supply a data file containing all the data required to execute the Product. The GRC will work with the selected vendor to define the content of any text content including but not limited to labels or help messages.
2. The GRC will provide a color palette and a font selection.
3. The GRC will supply a test environment for deployment. The GRC will provide details of the test environment so that it can be replicated by the selected vendor. The selected vendor will be responsible for supplying all resources required for development.
4. Period of Performance:
   a. Begin on February 4, 2019 and end by April 5, 2019.
5. Participate in weekly project management calls with GRC and the state sponsors as needed.

Response Requirements

Request for Quotes (RFQ) Issued to Applicants	December 18, 2018
Question and Answer Period Ends	December 27, 2018
Request for Quotes Due Date	January 4, 2019

RFQ Question and Answer Period: Questions regarding the RFQ process must be submitted by Thursday, December 27, 2018 at 5 P.M. EST in writing to Jessica Diallo at Jessica.Diallo@osumc.edu.

RFQ Response Format: Detailed quotes must address all aspects of the project listed in the product summary above, including a budget (not to exceed $40,000), timeline of services, and clear demonstration the vendor is qualified to perform the work described in this RFQ (Attachment A). Project quotes, excluding supporting documents (i.e. budget, timeline, and Attachment A), is limited to five (5) pages, single spaced. Submit electronic quote only to Jessica.Diallo@osumc.edu by Friday, January 4, 2019 at 5 P.M. EST.