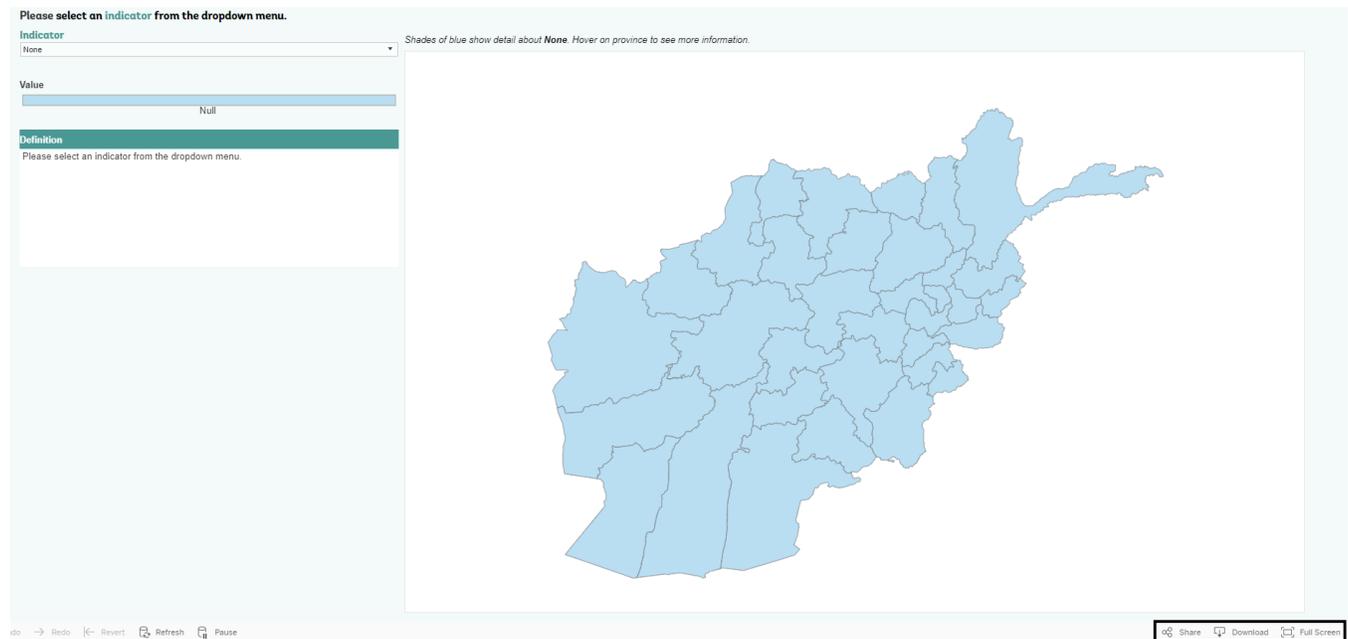


AFGHANISTAN SPATIAL DATABASE

USER GUIDE

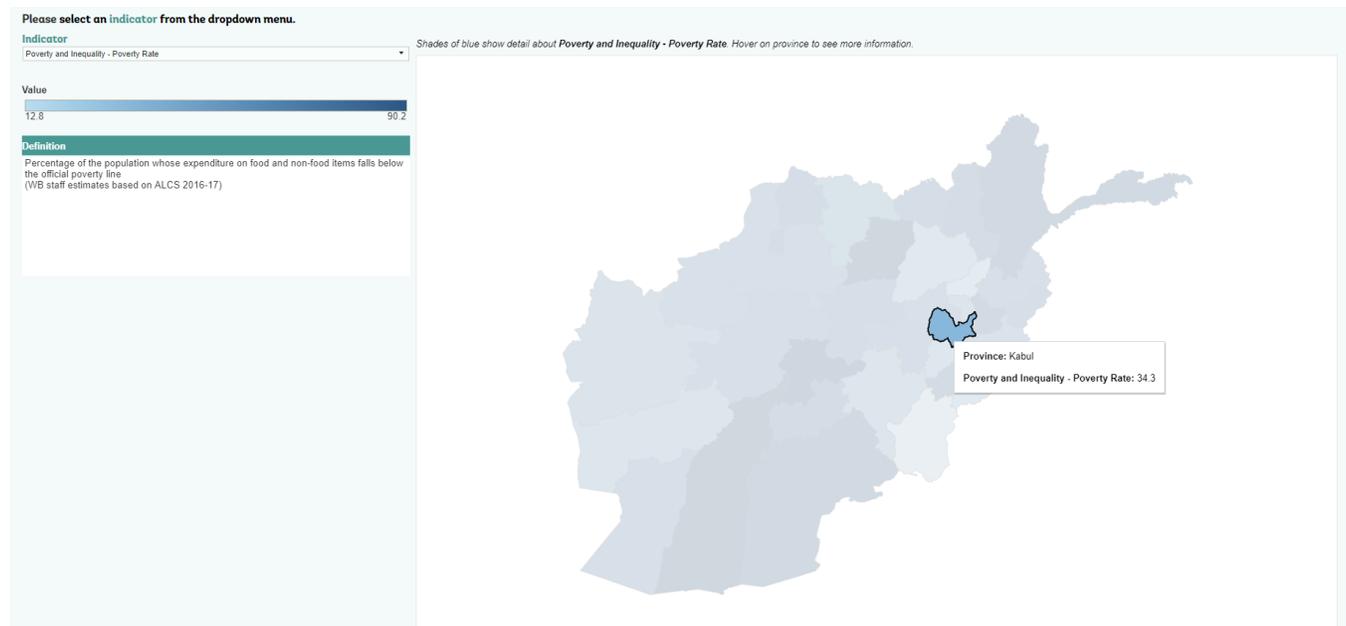
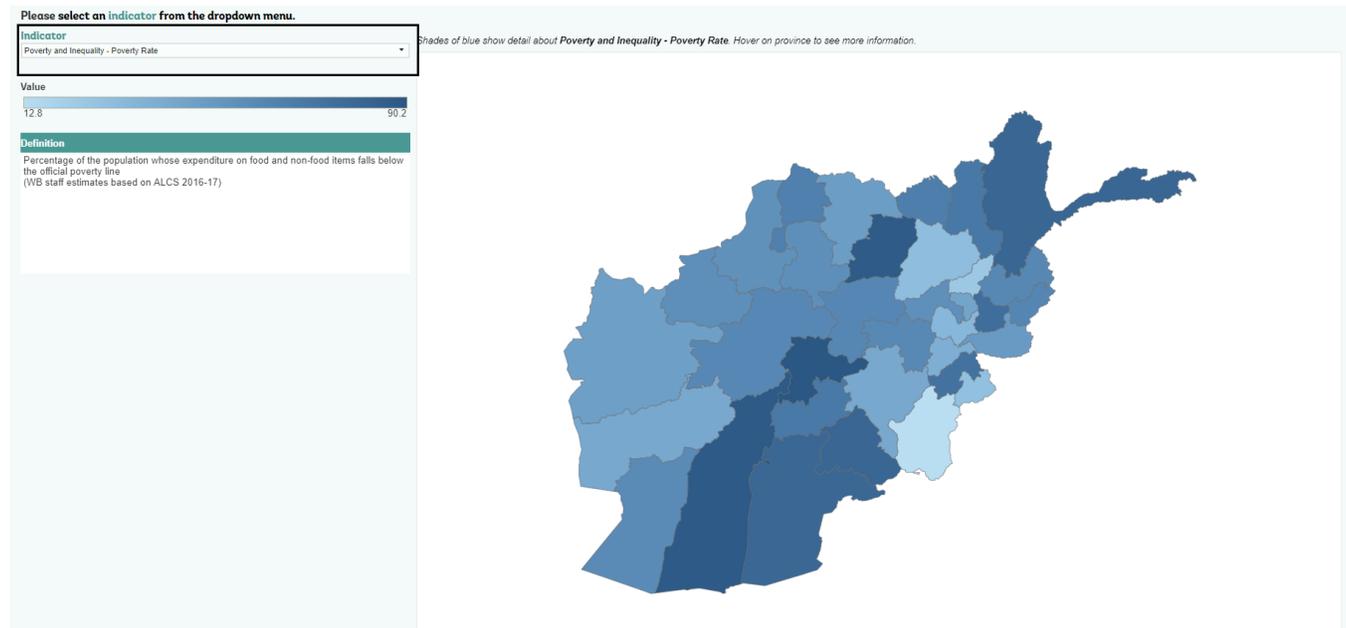
PROVINCE LEVEL

This dashboard includes six different types of visualization of 173 indicators across 34 provinces of Afghanistan. In all the dashboards, the option to undo action (CTRL + Z in Windows and CMD + Z in Mac OS), redo action (CTRL + Y in Windows and CMD + Y in Mac OS), download the underlying data set, and enter into full screen mode are on the bottom right of the dashboard.



VISUALIZATION 1: ONE INDICATOR (MAP)

The *One Indicator (Map)* shows spatial distribution of an indicator across Afghan provinces. Please select an indicator from the Indicator dropdown menu on the left. The value and definition of the selected indicator are shown below the dropdown. The colors (shades of blue) in the map show detail about the selected indicator. Hovering the mouse over the map shows the value of the indicator.



VISUALIZATION 2: ONE INDICATOR (BAR)

The *One Indicator (Bar)* ranks Afghan provinces based on the value of an indicator. Please select an indicator from the Indicator dropdown menu on the left. The value and definition of the selected indicator are shown below the dropdown. The colors of the bars (shades of green) show detail about tertiles of selected indicator with respect to their national distributions. Tertiles are labeled as Low if the value of the indicator is in between 0-33rd percentile; Medium if in between 34th – 67th percentile; High if in between 68th-99th percentile. National values (shown in red) reflect the average of all provinces for count data and population weighted average for all other variables. Hovering the mouse over the bars shows more information about the indicator.

Please select an indicator from the dropdown menu.

Indicator

Poverty and Inequality - Poverty Rate

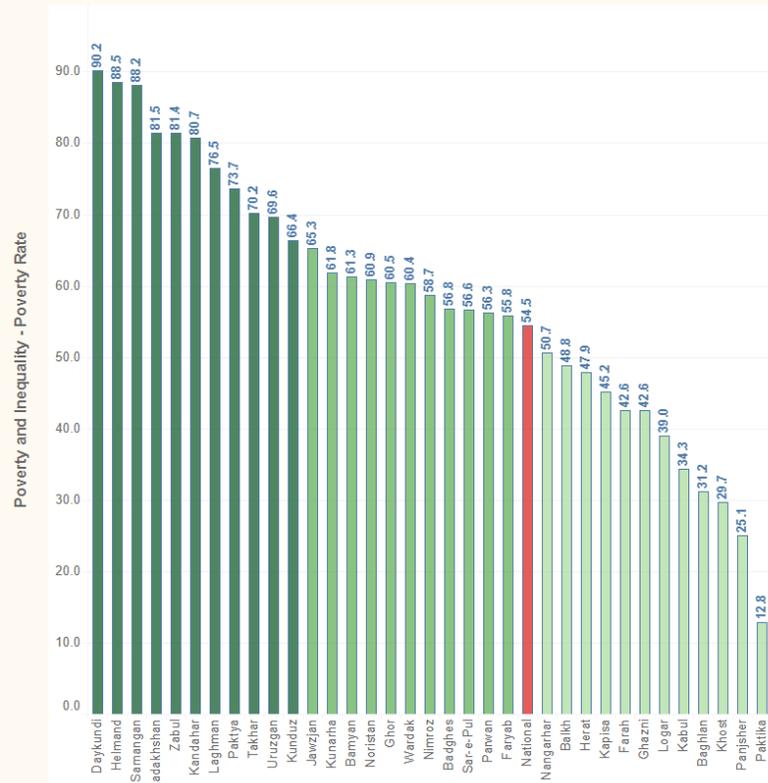
Tercile

Low High
Medium National

Definition

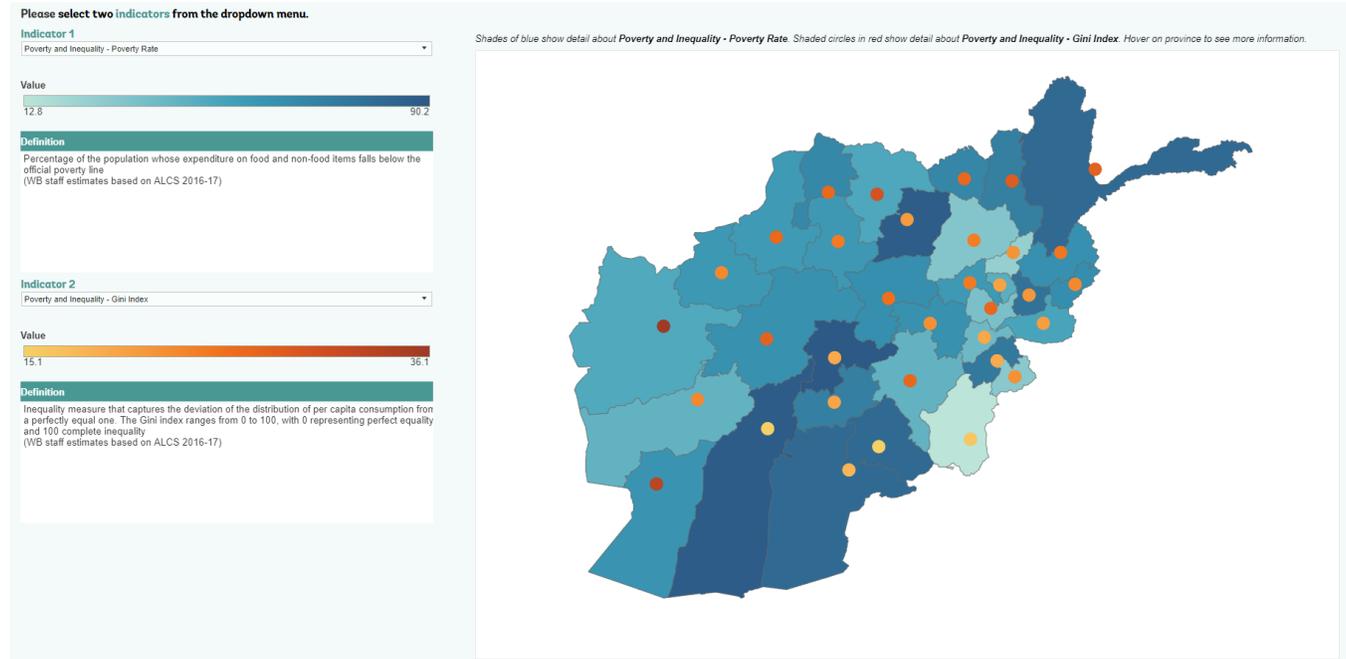
Percentage of the population whose expenditure on food and non-food items falls below the official poverty line
(WB staff estimates based on ALCS 2016-17)

Green bars show detail about tertiles of Poverty and Inequality - Poverty Rate (Low : 0-33 percentile; Medium : 34-67 percentile; High : 68-99 percentile). National value (red) shows the average of all provinces for count data and population weighted average for all other variables. Hover on bar to see more info.



VISUALIZATION 3: TWO INDICATORS (MAP)

The *Two Indicators (Map)* show spatial distributions of two indicators across Afghan provinces. Please select two indicators from the Indicator dropdown menu on the left. The values and definitions of the selected indicator are shown below the dropdown. The colors in the map (shades of blue and warm color) show detail about the selected indicators. Hovering the mouse over the map shows the values of the indicators.



VISUALIZATION 4: TWO INDICATORS (BAR)

The *Two Indicators (Bar)* ranks Afghan provinces based on the values of two indicators. Please select two indicators from the Indicator dropdown menu on the left. The values and definitions of the selected indicators are shown below the dropdown. The colors of the bars (shades of green) and dots (shades of purple) show detail about terciles of selected indicators with respect to their national distributions. Terciles are labeled as Low if the value of the indicator is in between 0-33rd percentile; Medium if in between 34th – 67th percentile; High if in between 68th-99th percentile. National values (shown in red and blue) reflect the average of all provinces for count data and population weighted average for all other variables. Hovering the mouse over the bars shows more information about the indicator.

Please select two indicators from the dropdown menu.

Indicator 1
Poverty and Inequality - Poverty Rate

TERCILE
■ Low ■ High
■ Medium ■ National

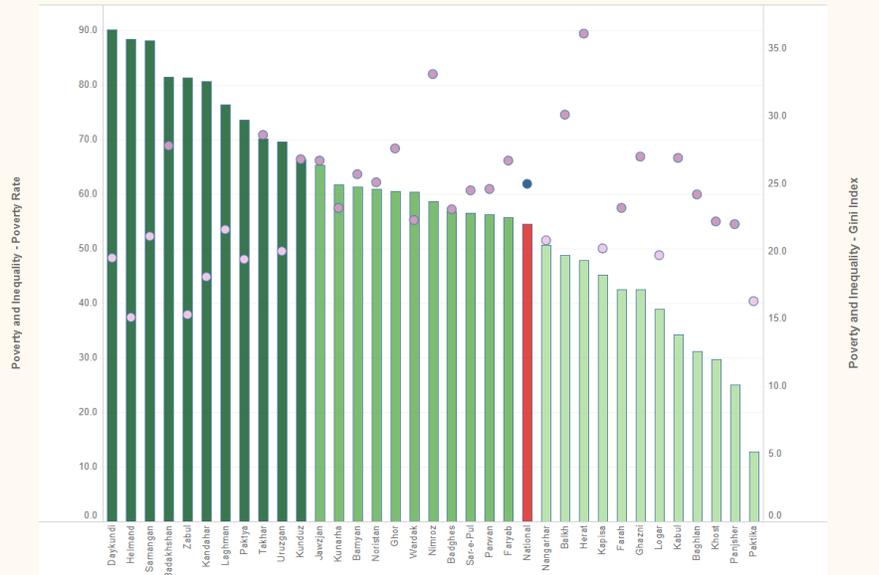
Definition
Percentage of the population whose expenditure on food and non-food items falls below the official poverty line (WB staff estimates based on ALCS 2016-17)

Indicator 2
Poverty and Inequality - Gini Index

TERCILE
■ Low ■ High
■ Medium ■ National

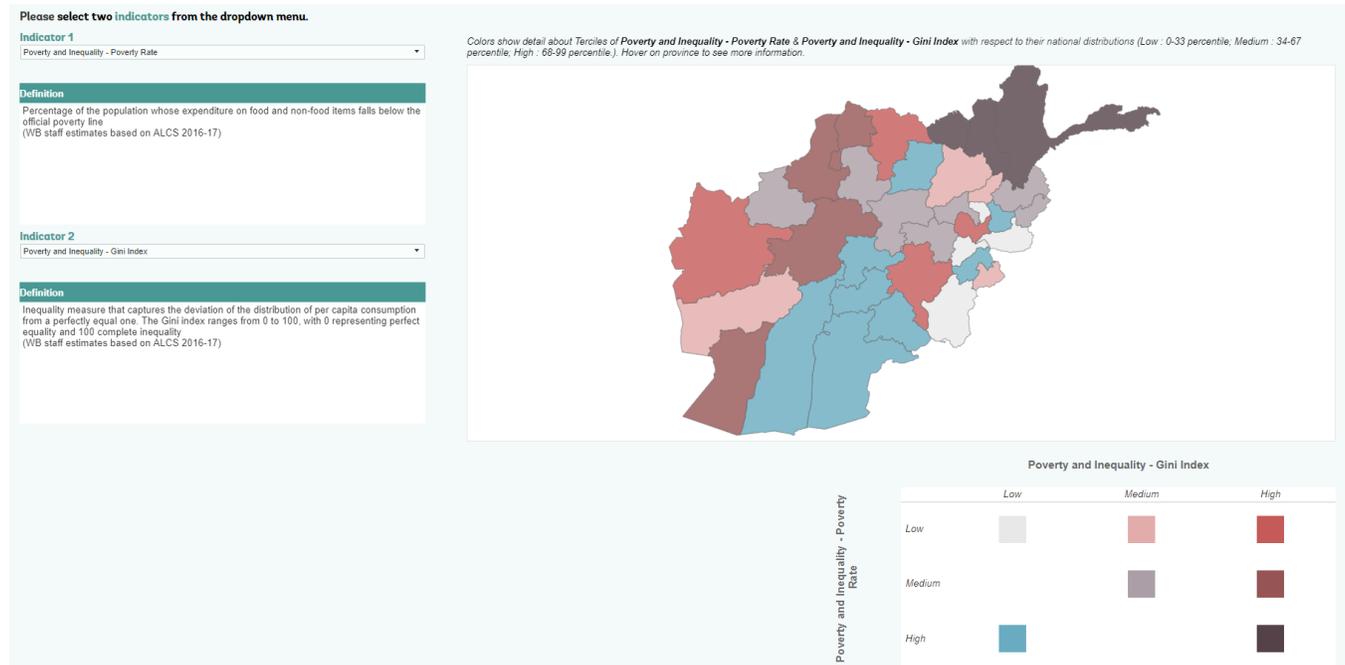
Definition
Inequality measure that captures the deviation of the distribution of per capita consumption from a perfectly equal one. The Gini index ranges from 0 to 100, with 0 representing perfect equality and 100 complete inequality (WB staff estimates based on ALCS 2016-17)

Green bars and purple circles respectively show detail about terciles of Poverty and Inequality - Poverty Rate and Poverty and Inequality - Gini Index with respect to their national distributions (Low - 0-33 percentile, Medium - 34-67 percentile, High - 68-99 percentile). National values (red bar and blue circle) show averages of all provinces for count data and population weighted averages for all other variables. Hover on bar or dot to see more info.



VISUALIZATION 5: TWO ATTRIBUTES (MAP)

The *Two Attributes (Map)*, also known as a bivariate choropleth, show spatial distributions of two indicators across Afghan provinces. The colors are encoded to more easily spot areas where terciles (with respect to their national distributions) of both indicators are high (the dark brown shade), where both are low (the light gray shade) and where one is high and the other is low (the teal or maroon shades). Terciles are labeled as Low if the value of the indicator is in between 0-33rd percentile; Medium if in between 34th – 67th percentile; High if in between 68th-99th percentile. Hovering the mouse over the bars shows more information about the indicator.



VISUALIZATION 6: TWO ATTRIBUTES (SCATTER)

The *Two Attributes (Scatter)* show correlation between two selected indicators across Afghan provinces. In addition, the colors on the circle are encoded to more easily spot areas where terciles (with respect to their national distributions) of both indicators are high (the dark brown shade), where both are low (the light gray shade) and where one is high and the other is low (the teal or maroon shades) as in the bivariate choropleth. Terciles are labeled as Low if the value of the indicator is in between 0-33rd percentile; Medium if in between 34th – 67th percentile; High if in between 68th-99th percentile. Hovering the mouse over the bars shows more information about the indicator.

Please select two indicators from the dropdown menu.

Indicator 1

Poverty and Inequality - Poverty Rate

Definition

Percentage of the population whose expenditure on food and non-food items falls below the official poverty line. (WB staff estimates based on ALCS 2016-17)

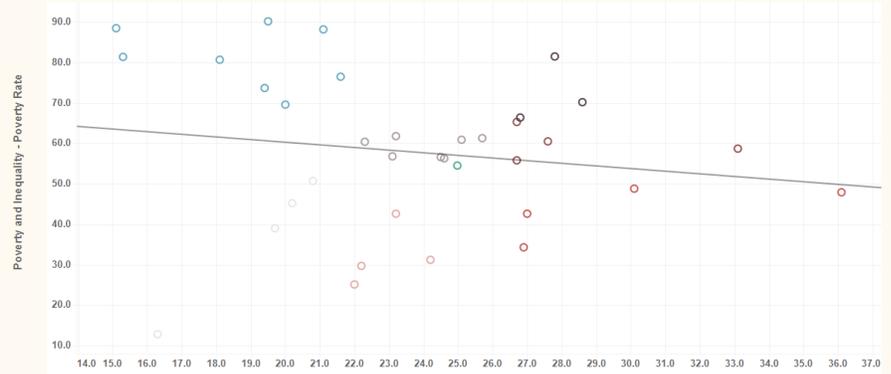
Indicator 2

Poverty and Inequality - Gini Index

Definition

Inequality measure that captures the deviation of the distribution of per capita consumption from a perfectly equal one. The Gini index ranges from 0 to 100, with 0 representing perfect equality and 100 complete inequality. (WB staff estimates based on ALCS 2016-17)

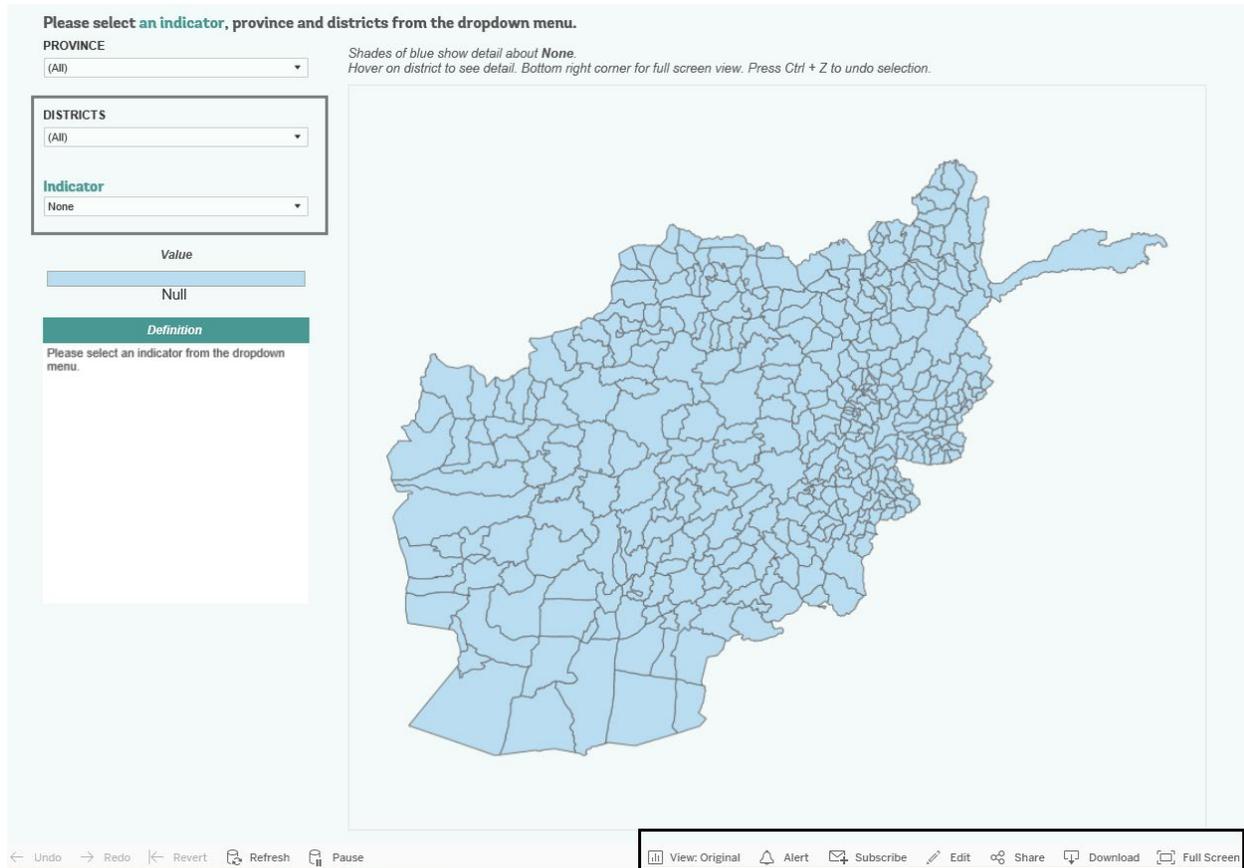
Scatter plot of Poverty and Inequality - Poverty Rate against Poverty and Inequality - Gini Index. Colors show detail about terciles of the selected indicators with respect to their national distributions. National average is shown in green.



DISTRICT LEVEL

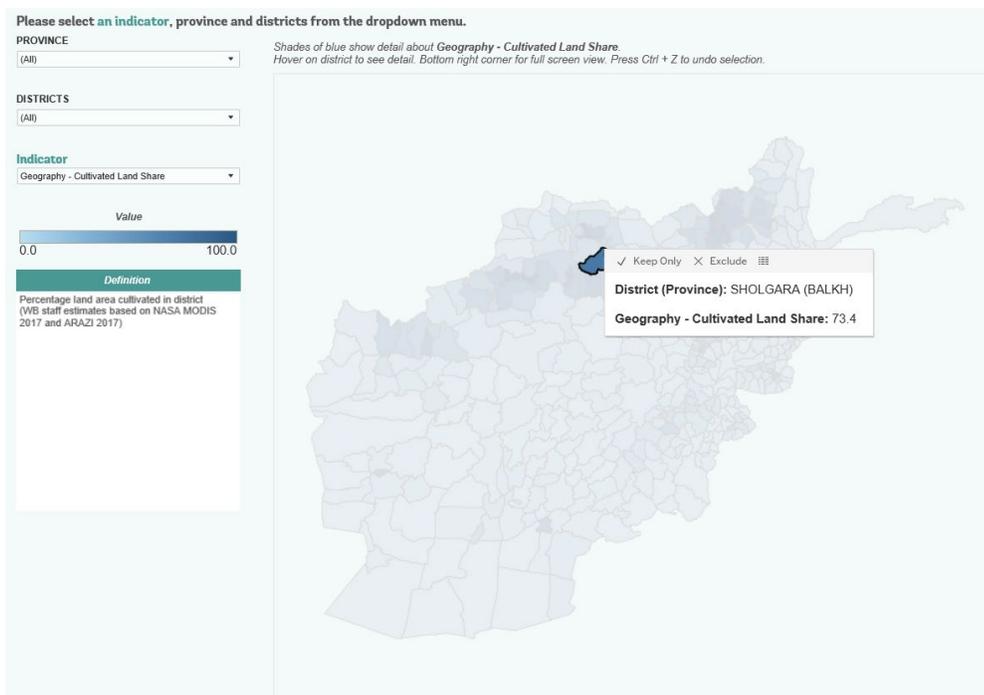
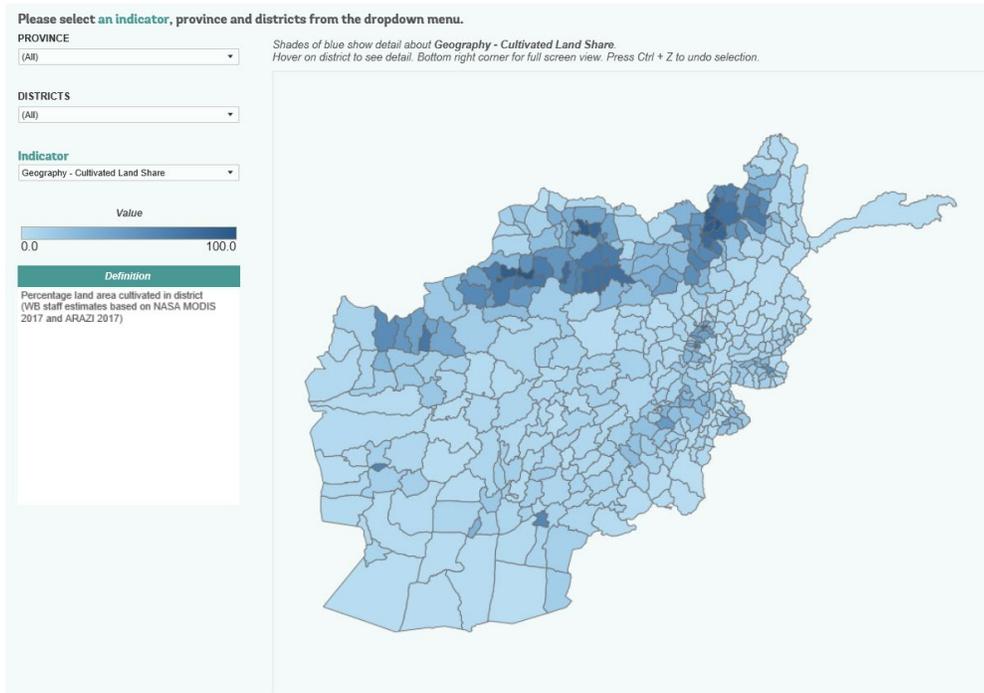
The district level dashboard is a visualization of 54 indicators across 398 districts of Afghanistan.

The option to undo action (CTRL + Z in Windows and CMD + Z in Mac OS), redo action (CTRL + Y in Windows and CMD + Y in Mac OS), download the underlying data set, and enter into full screen mode are on the bottom right of the dashboard. Where appropriate, select a district from the District dropdown menu to compare indicators across comprising districts. Or, use the District dropdown menu to compare indicators across any two or more districts.



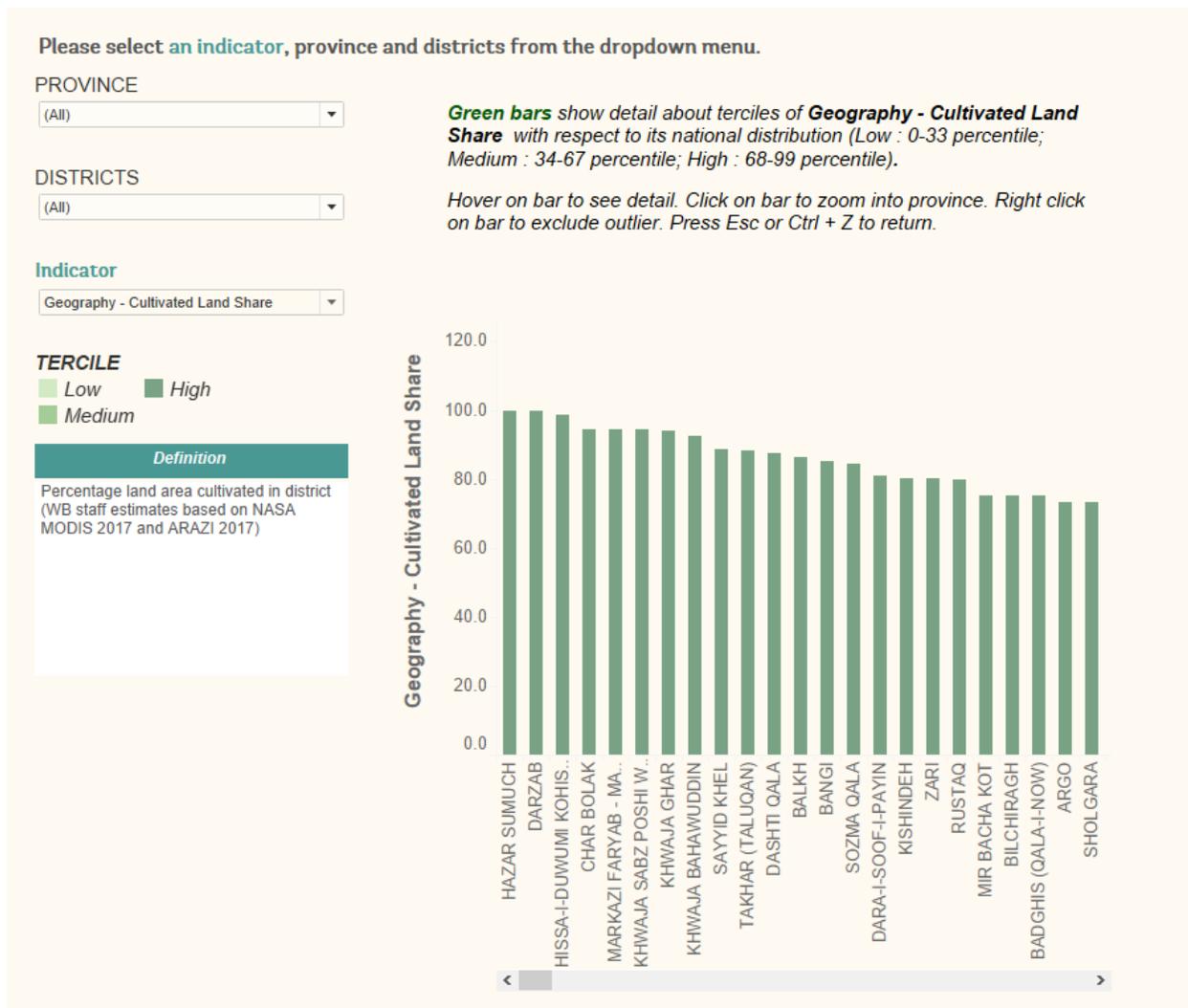
VISUALIZATION 1: ONE INDICATOR (MAP)

The *One Indicator (Map)* shows spatial distribution of an indicator across Afghan districts. Please select an indicator from the Indicator dropdown menu on the left. The value and definition of the selected indicator are shown below the dropdown. The colors (shades of blue) in the map show detail about the selected indicator. Hovering the mouse over the map shows the value of the indicator.



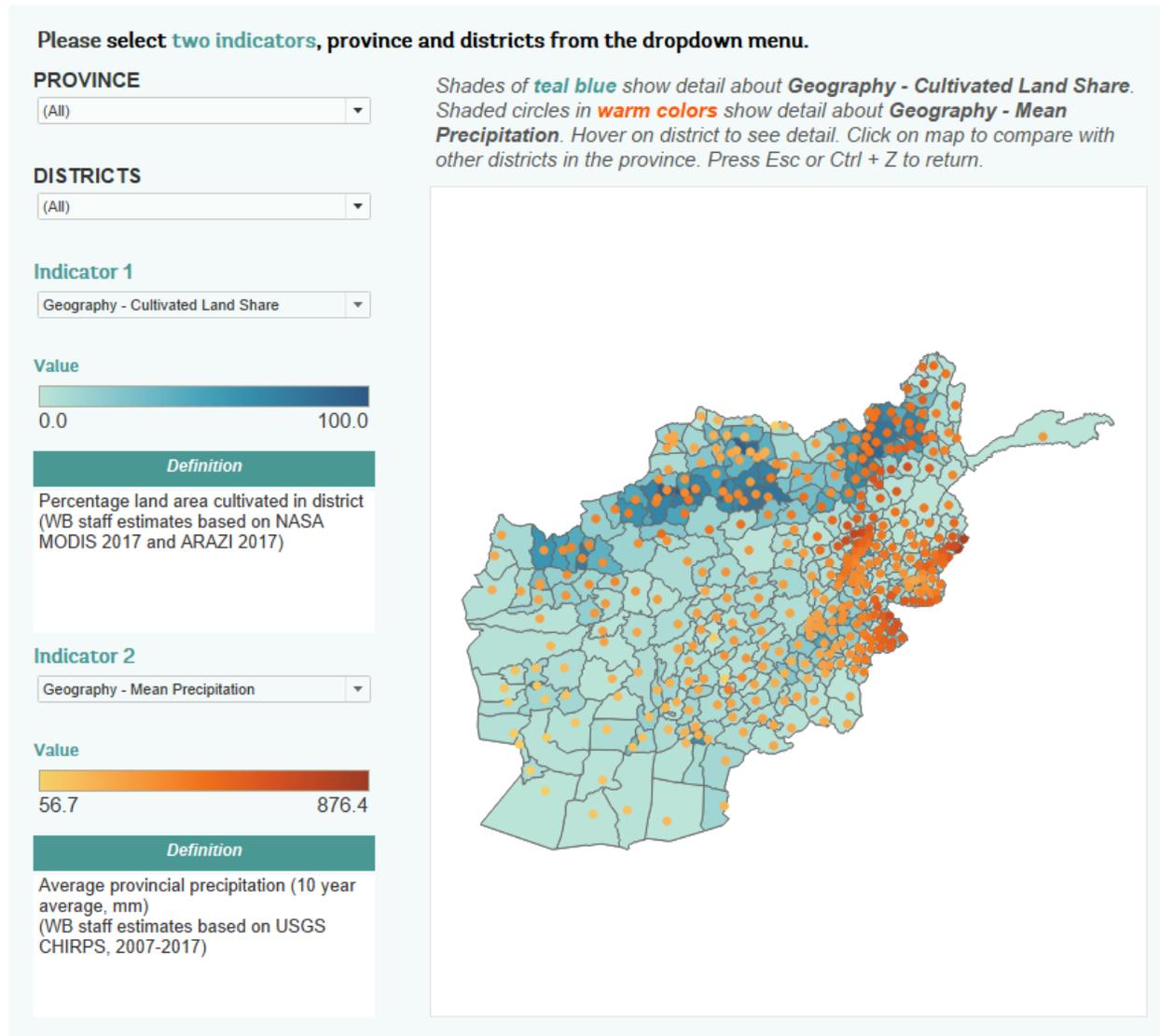
VISUALIZATION 2: ONE INDICATOR (BAR)

The *One Indicator (Bar)* ranks Afghan districts based on the value of an indicator. Please select an indicator from the Indicator dropdown menu on the left. The value and definition of the selected indicator are shown below the dropdown. The colors of the bars (shades of green) show detail about terciles of selected indicator with respect to their national distributions. Terciles are labeled as Low if the value of the indicator is in between 0-33rd percentile; Medium if in between 34th – 67th percentile; High if in between 68th-99th percentile. National values (shown in red) reflect the average of all districts for count data and population weighted average for all other variables. Hovering the mouse over the bars shows more information about the indicator.



VISUALIZATION 3: TWO INDICATORS (MAP)

The *Two Indicators (Map)* show spatial distributions of two indicators across Afghan districts. Please select two indicators from the Indicator dropdown menu on the left. The values and definitions of the selected indicator are shown below the dropdown. The colors in the map (shades of teal blue and warm color) show detail about the selected indicators. Hovering the mouse over the map shows the values of the indicators.



VISUALIZATION 4: TWO INDICATORS (BAR)

The *Two Indicators (Bar)* ranks Afghan districts based on the values of two indicators. Please select two indicators from the Indicator dropdown menu on the left. The values and definitions of the selected indicators are shown below the dropdown. The colors of the bars (shades of green) and dots (shades of purple) show detail about terciles of selected indicators with respect to their national distributions. Terciles are labeled as Low if the value of the indicator is in between 0-33rd percentile; Medium if in between 34th – 67th percentile; High if in between 68th-99th percentile. National values (shown in red and blue) reflect the average of all districts for count data and population weighted average for all other variables. Hovering the mouse over the bars shows more information about the indicator.

Please select **two indicators**, province and districts from the dropdown menu.

PROVINCE

DISTRICTS

Indicator 1

TERCILE

Low High
 Medium

Definition

Percentage land area cultivated in district (WB staff estimates based on NASA MODIS 2017 and ARAZI 2017)

Indicator 2

Tercile

Low High
 Medium

Definition

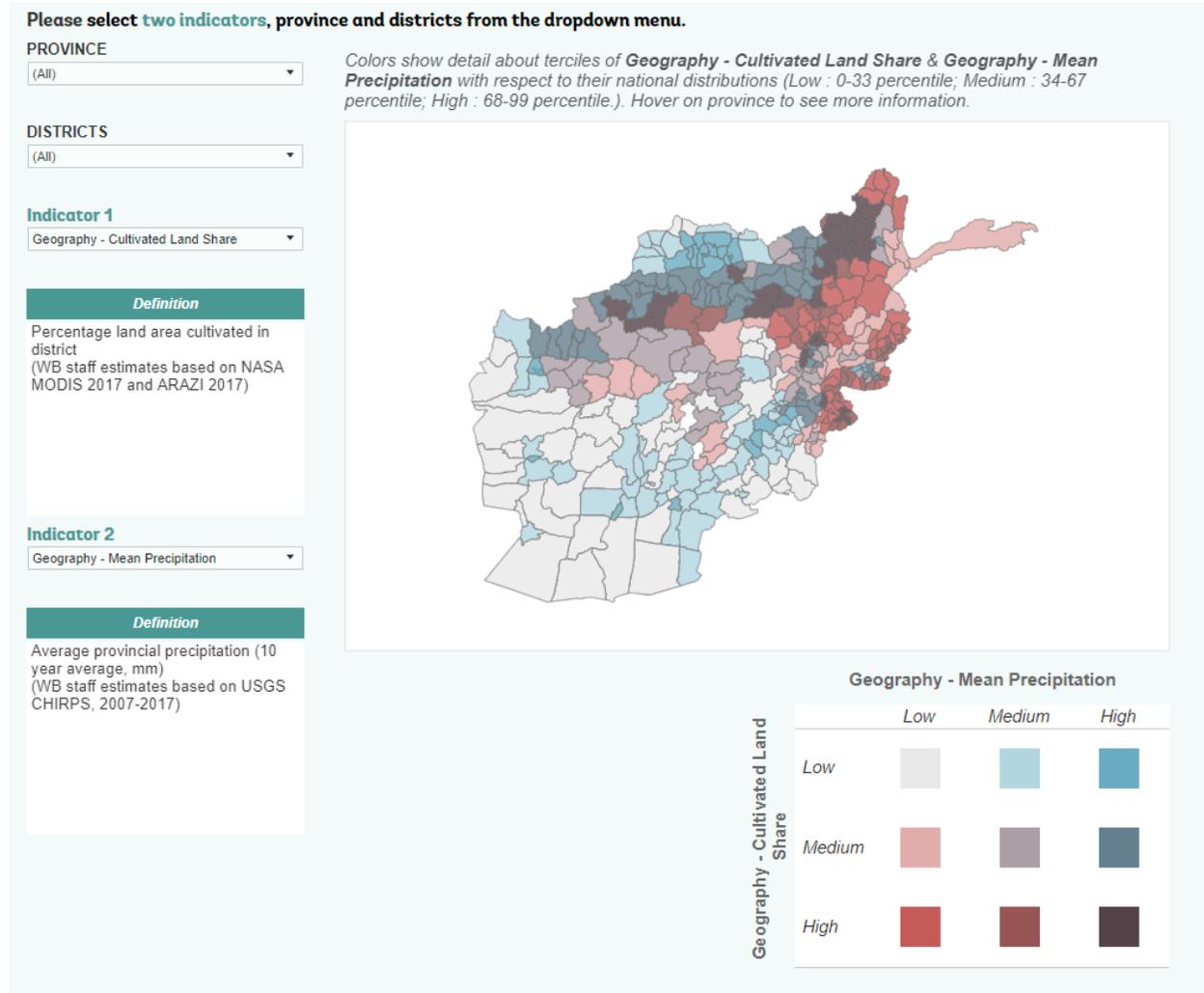
Average provincial precipitation (10 year average, mm) (WB staff estimates based on USGS CHIRPS, 2007-2017)

Green bars and purple circles respectively show detail about terciles of Geography - Cultivated Land Share and Geography - Mean Precipitation with respect to their national distributions (Low : 0-33 percentile; Medium : 34-67 percentile; High : 68-99 percentile). National values (red bar and blue circle) show averages of all provinces for count data and population weighted averages for all other variables. Hover on bar or dot to see more info.



VISUALIZATION 5: TWO ATTRIBUTES (MAP)

The *Two Attributes (Map)*, also known as a bivariate choropleth, show spatial distributions of two indicators across Afghan districts. The colors are encoded to more easily spot areas where terciles (with respect to their national distributions) of both indicators are high (the dark brown shade), where both are low (the light gray shade) and where one is high and the other is low (the teal or maroon shades). Terciles are labeled as Low if the value of the indicator is in between 0-33rd percentile; Medium if in between 34th – 67th percentile; High if in between 68th-99th percentile. Hovering the mouse over the bars shows more information about the indicator.



VISUALIZATION 6: TWO ATTRIBUTES (SCATTER)

The *Two Attributes (Scatter)* show correlation between two selected indicators across Afghan districts. In addition, the colors on the circle are encoded to more easily spot areas where terciles (with respect to their national distributions) of both indicators are high (the dark brown shade), where both are low (the light gray shade) and where one is high and the other is low (the teal or maroon shades) as in the bivariate choropleth. Terciles are labeled as Low if the value of the indicator is in between 0-33rd percentile; Medium if in between 34th – 67th percentile; High if in between 68th-99th percentile. Hovering the mouse over the bars shows more information about the indicator.

