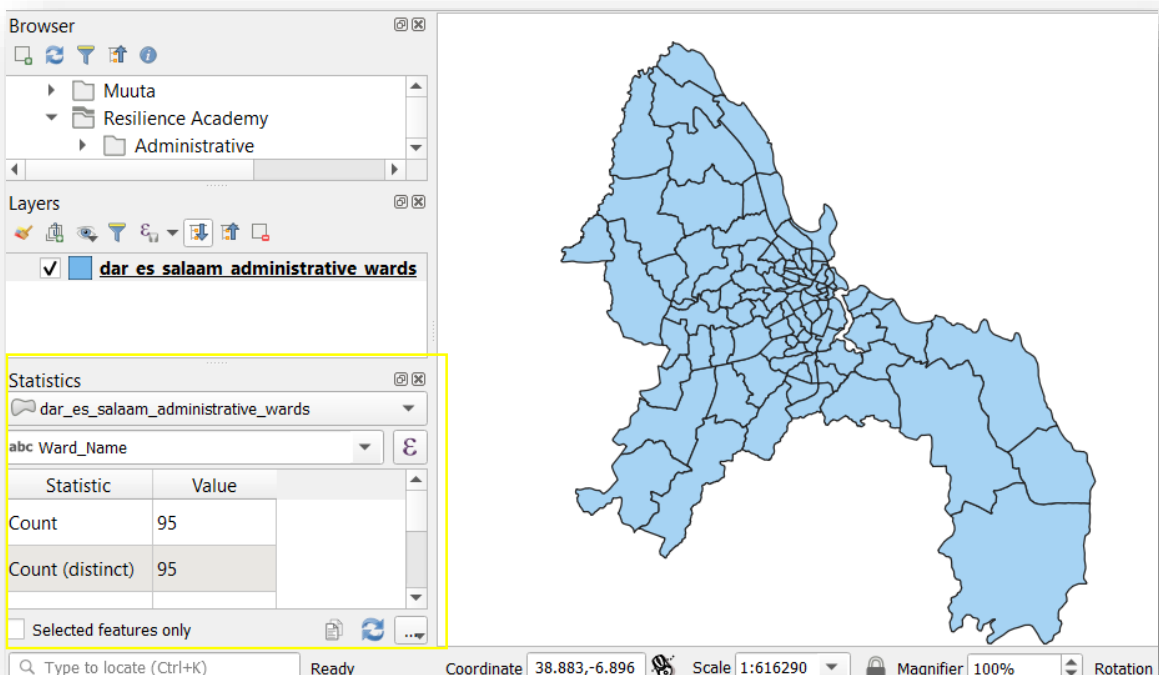# Show statistical summary, QGIS

Show statistical summary tool is a quick way to generate basic statistics of a vector dataset's attribute fields. The tool calculates minimum and maximum values, count of filled and empty cells, and some mean, median and standard deviation statistics for numerical fields. The results can be examined right in the QGIS interface.
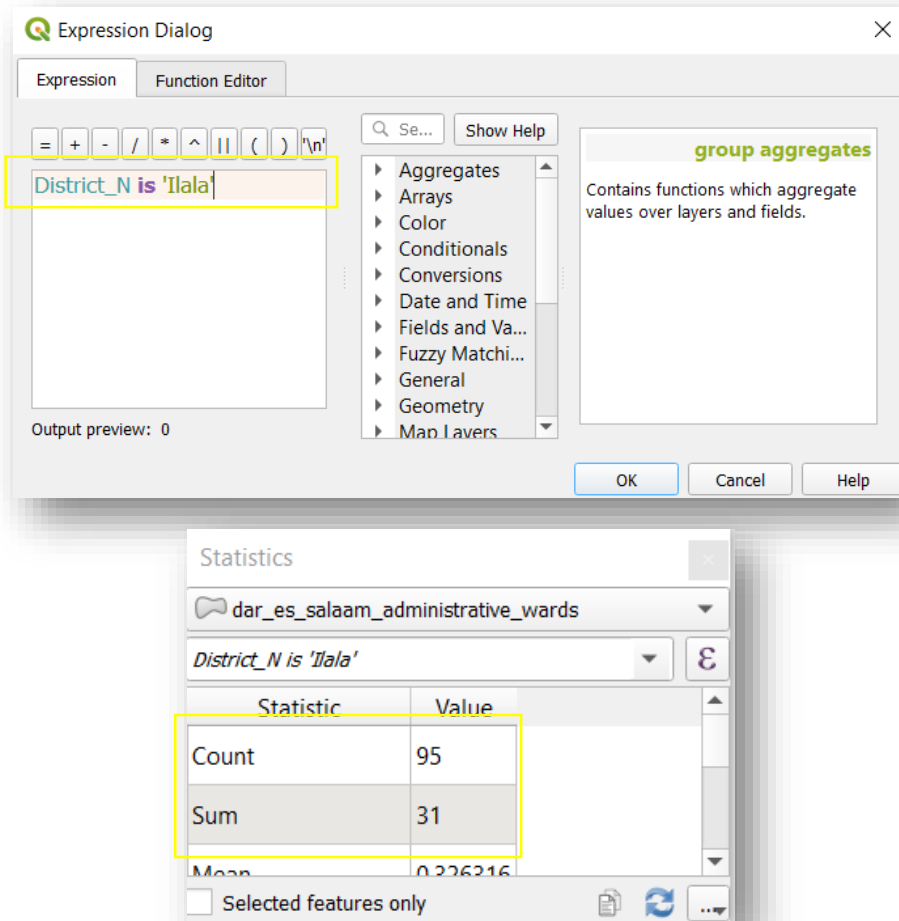
1. Open your vector layer in QGIS.
2. Click the icon of *Show statistical summary* tool from the top-panel of QGIS. Σ
3.   A new *Statistics* window appears to the bottom-left corner, below the layer navigation panel.
4. Choose the layer and field to be explored from the drop-down menus. If you want only some of the statistics to be calculated, choose them by clicking [...▼] in the bottom-right corner of the tool's window.
5. The statistics of that field are generated immediately. Explore them by scrolling down, or click *Copy statistic to clip board* 🗎 from the bottom-right corner of the tool's window, and paste them e.g. to a Word-document.

6. Calculate statistical summaries for categories by clicking the expression icon ε .
7. Create a, expression of your desire and click *Ok*. The statistics are now generated for that expression.

In this example, field statistics are generated for the district Ilala of Dar es Salaam. With expression, only those cells that contains text "Ilala" in the field that holds information of district names, are chosen.

In the statistics window, the COUNT tells the number of all cells (95), and SUM the number of how many cells contains text "Ilala" (31).

These same statistics can also be generated with the tool *Basic Statistics for Fields.* Familiarize yourself with this tool as well, and decide which of these do you prefer!