Working with Attributes

QGIS Tutorials and Tips



Author
Ujaval Gandhi
http://google.com/+UjavalGandhi

Translations by
Marina Pavlova Ilya Trofimov Fayçal Fatihi



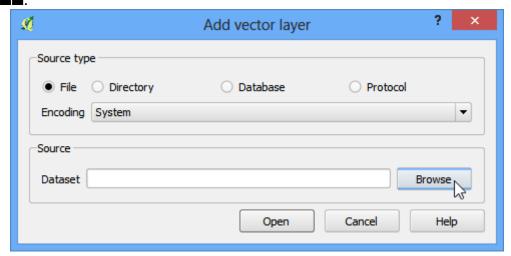
■■■■■■■ shape-■■■■ Natural Earth Populated Places.

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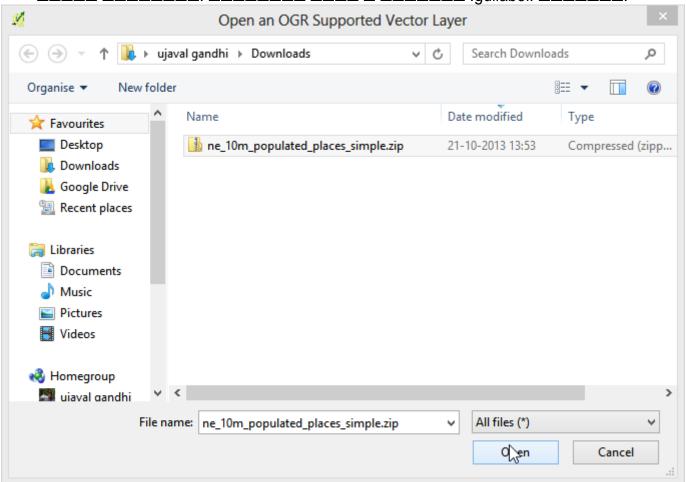
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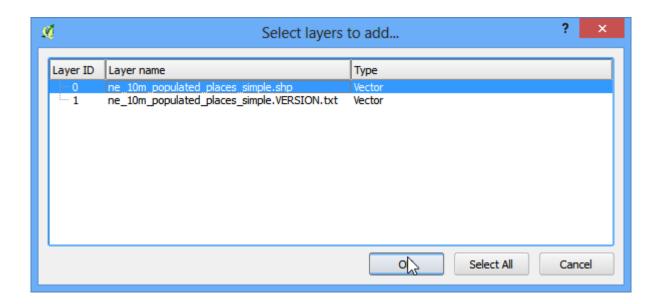
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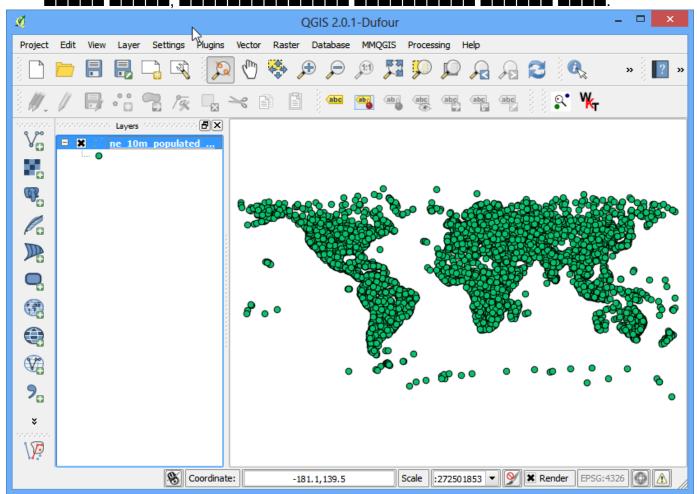
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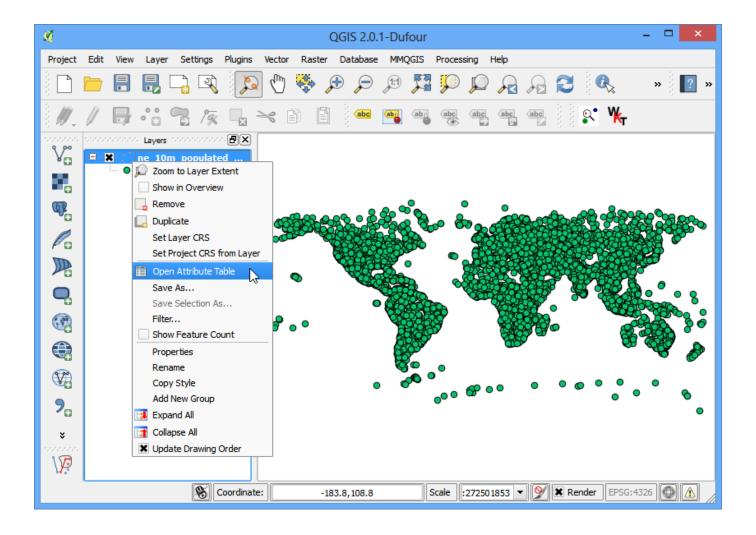


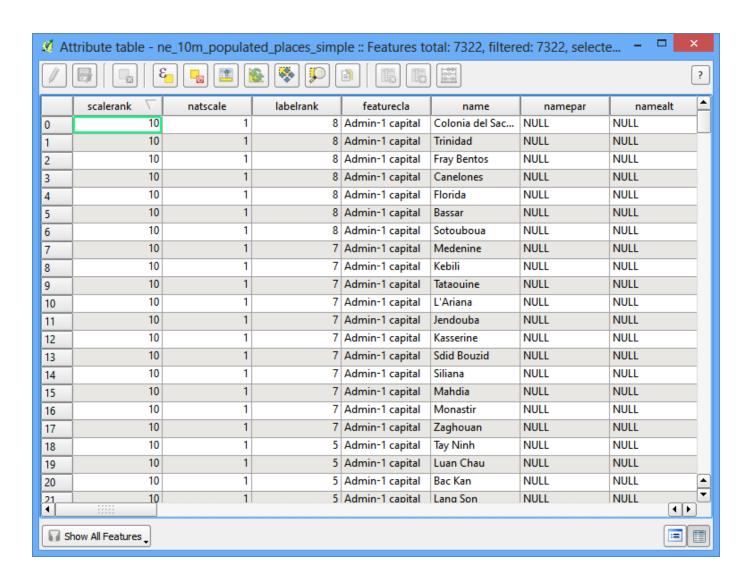
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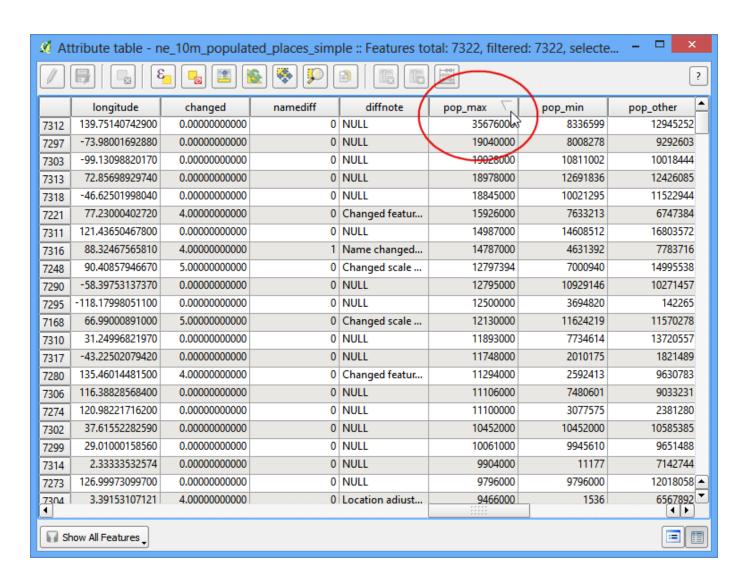


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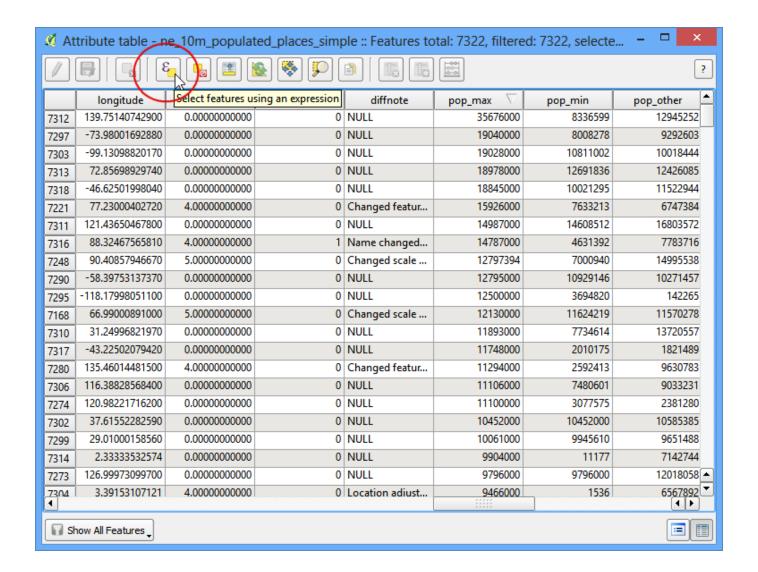




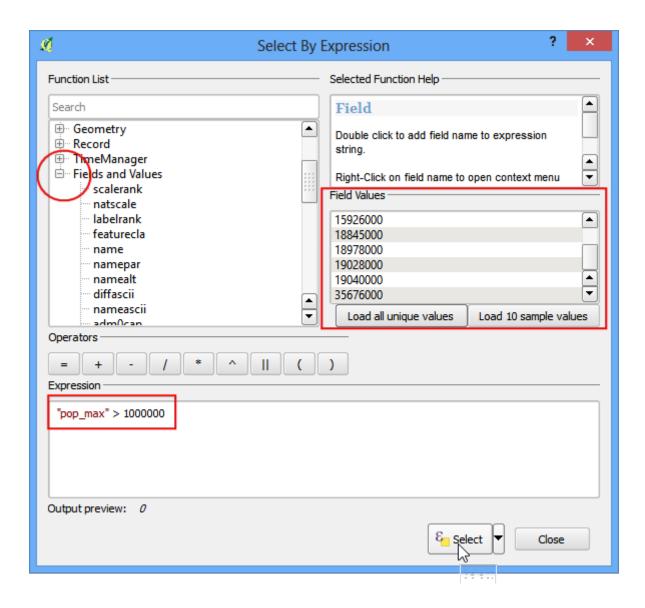




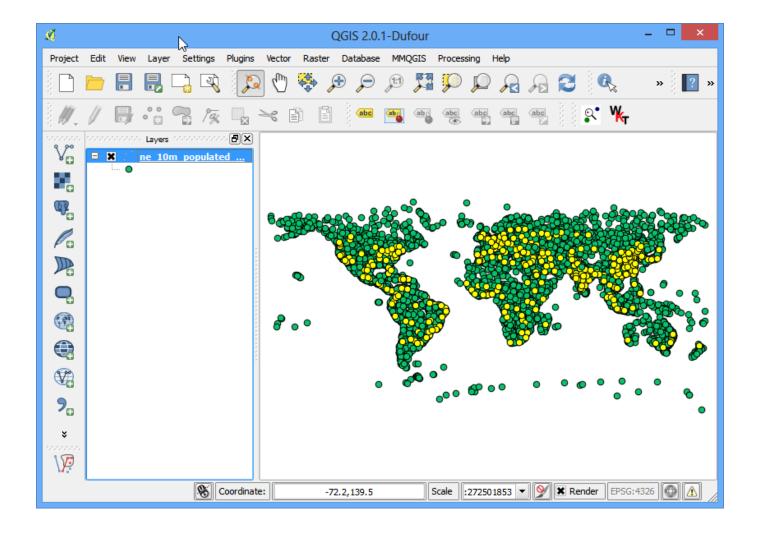
9. Select features using an expression.



10. In the Select By Expression window, expand the Fields and Values section and double-click the pop_max label. You will notice that it is added to the expression section at the bottom. If you aren't sure about the field values, you can click the Load all unique values to see what the attribute values are present in the dataset. For this exercise, we are looking to find all features that have a population greater than 1,000,000. So complete the expression as "pop_max" > 1000000 and click Select.



11. Click on *Close* and return to the main QGIS window. You will notice that a subset of points is now rendered in yellow. This is the result of our query and you are seeing all places from the dataset that have the *pop_max* attribute value greater than 1,000,000.



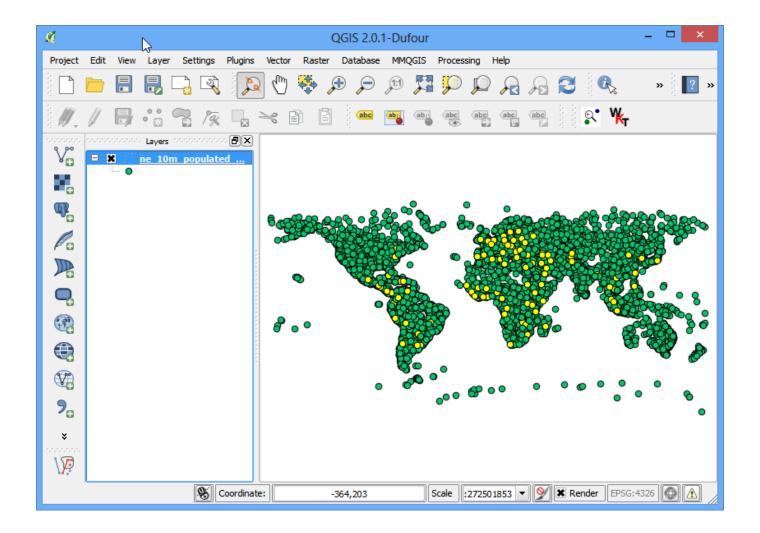
12. The goal for this exercise is to find the places that are country capitals. Let's refine our query to select only those places which are capitals. Click on the *Select feature using an expression* button in the attribute table.



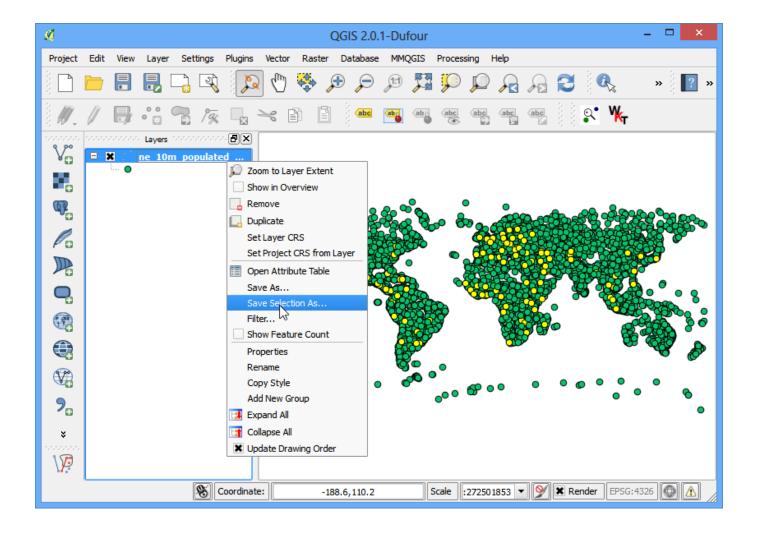
13. The field containing this data is adm0cap. The value 1 indicates that the place is a capital. Enter the expression as "adm0cap" = 1. Since we want to search only within our previous query results, select Select within selection.



14. Click on *Close* and return to the main QGIS window. Now you will see a smaller subset of the points selected. This is the result of the second query and shows all places from the dataset that are country capitals as well as have population greater than 1,000,000.



15. Salada Salad



16. Keep the format selection as *ESRI Shapefile* and enter the output name as *large_capital_cities.shp*. Check the box next to *Add saved file to map* and click *OK*.



17. The newly created shapefile will be automatically loaded into QGIS. Turn off the populated places layer by un-checking the box next to it. Now, you will see only the features from the newly created layer containing capital cities of the world that have population greater than 1,000,000.

