

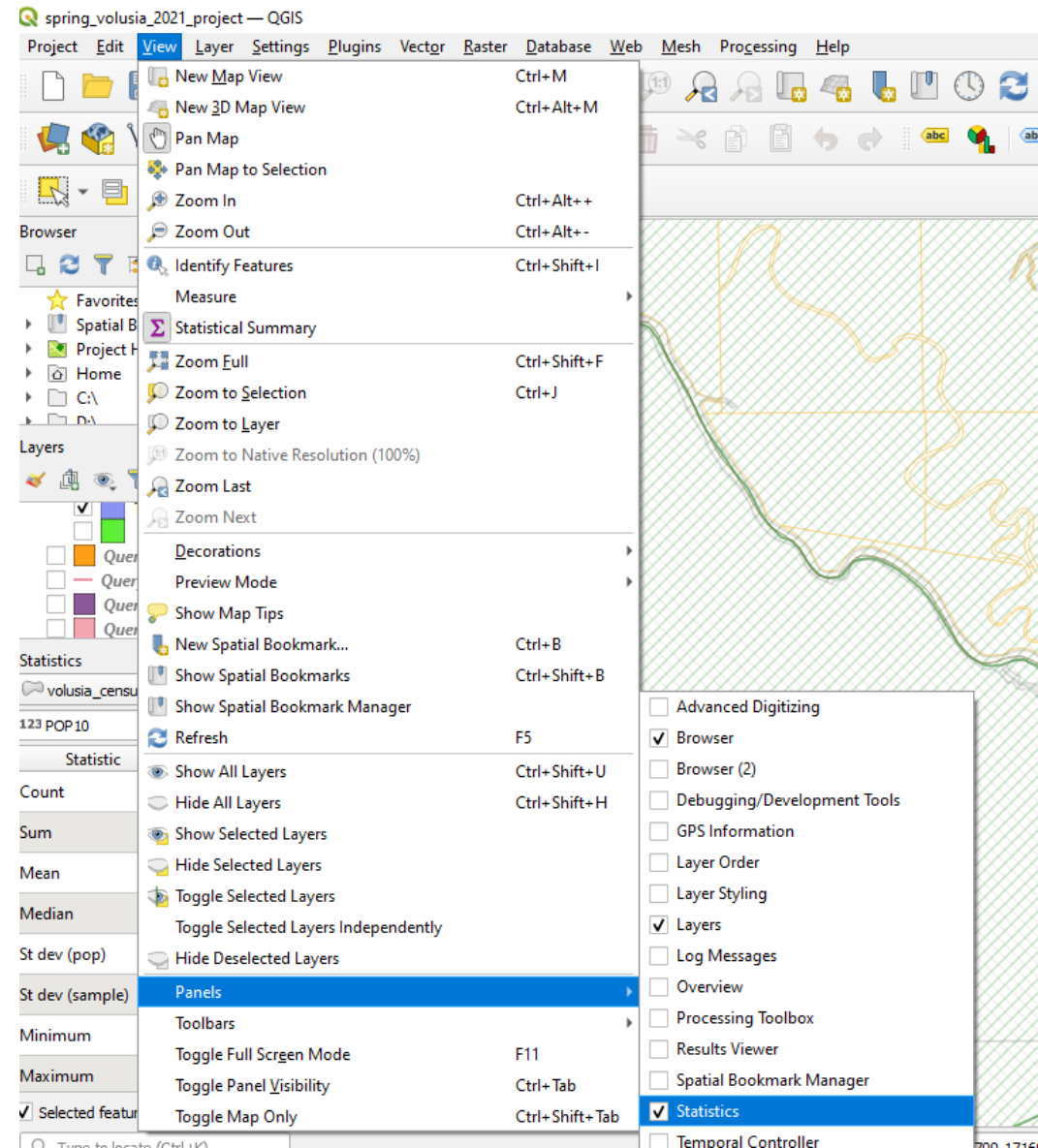
Computational Statistics

By: Dennis Moreno

ID: 2484878

CS 540

- On QGIS select view -> panel -> statistics



- It will show up the following panel with the layer selected as well as the respective attribute.

Statistics panel

layer

attribute

statistics summary

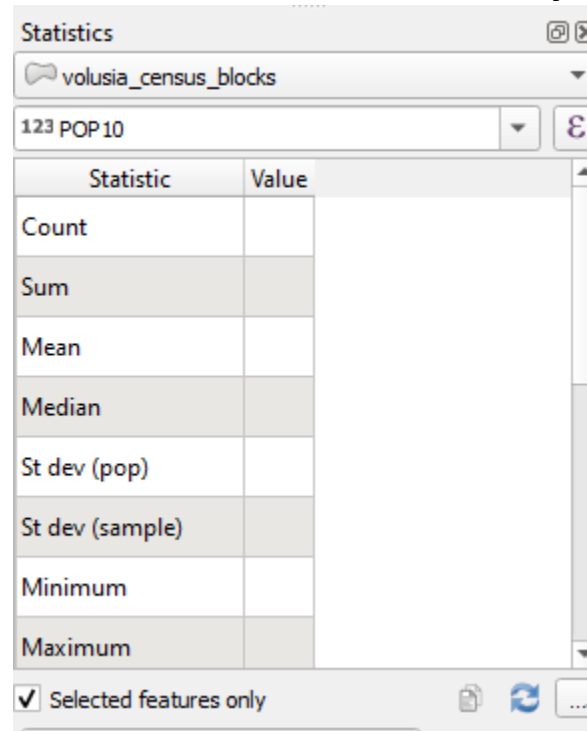
As we can see, the stats summary shows the whole number of people for the all the census blocks. If you would like to select a specific block or polygon, then you will have to check the “selected features only”

Statistic	Value
Count	45351
Sum	1.61812e+06
Mean	35.68
Median	11
St dev (pop)	94.9664
St dev (sample)	94.9674
Minimum	0
Maximum	6397

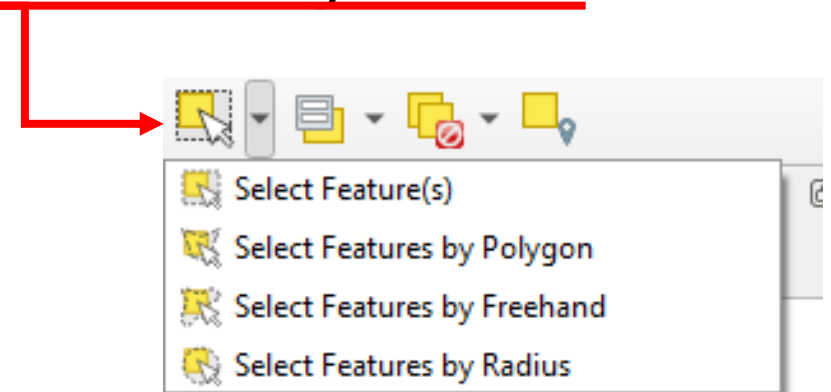
☐ Selected features only

Type to locate (Ctrl+K)

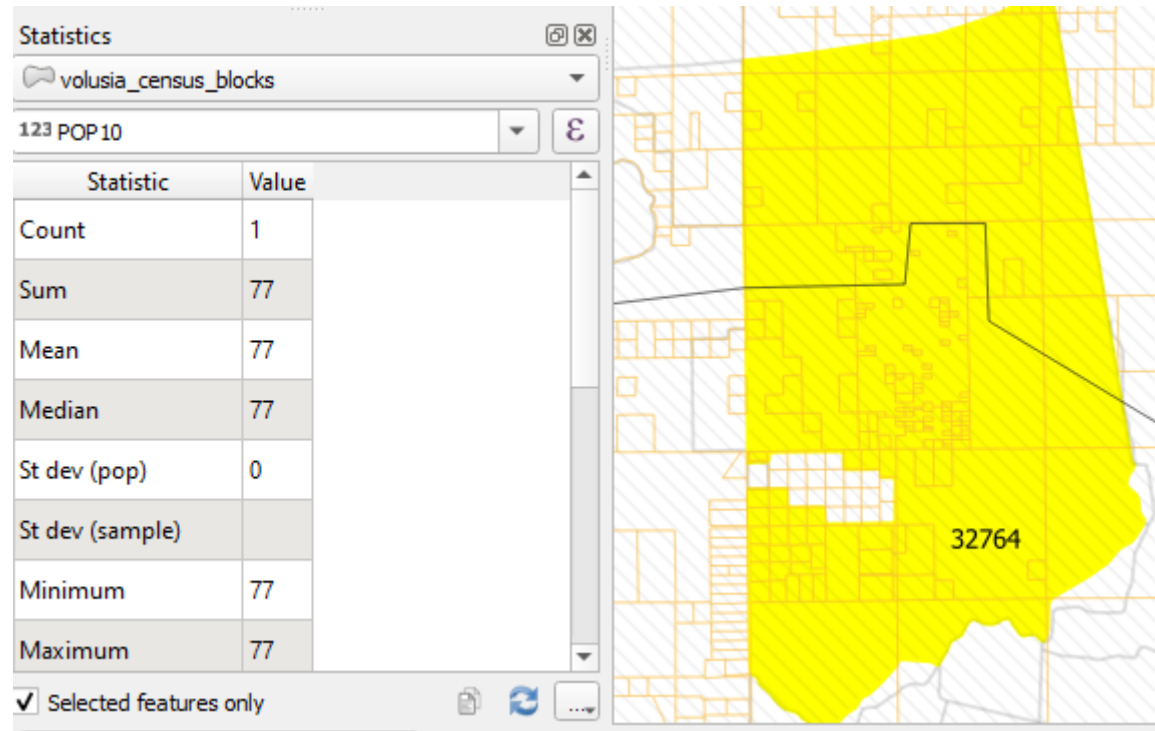
- Once you check the “selected features only” the whole stats summary will be empty



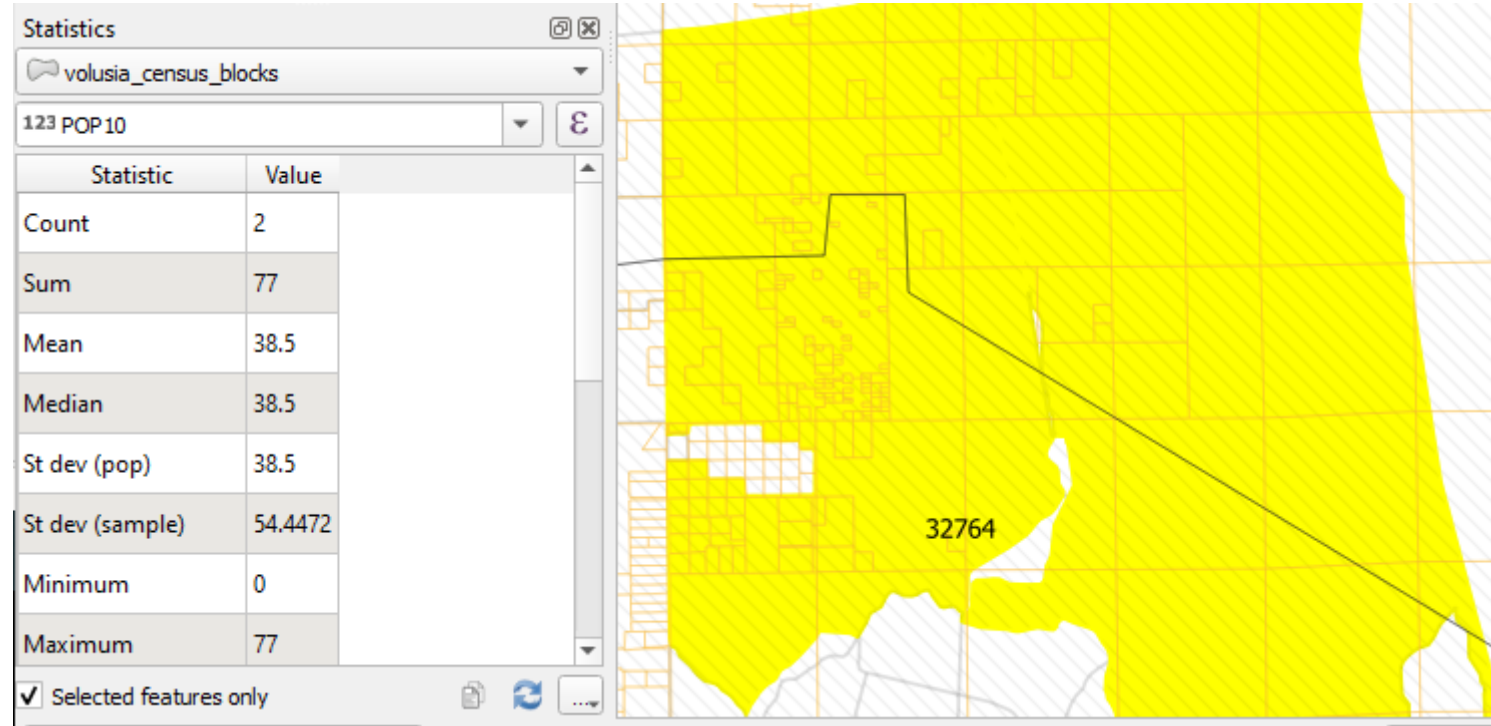
- Then you must click the *select features by area or single click* button to either work with the desire feature as follows:



- With the *select feature(s)* option we select a single block and the stats summary will show up the respective values.

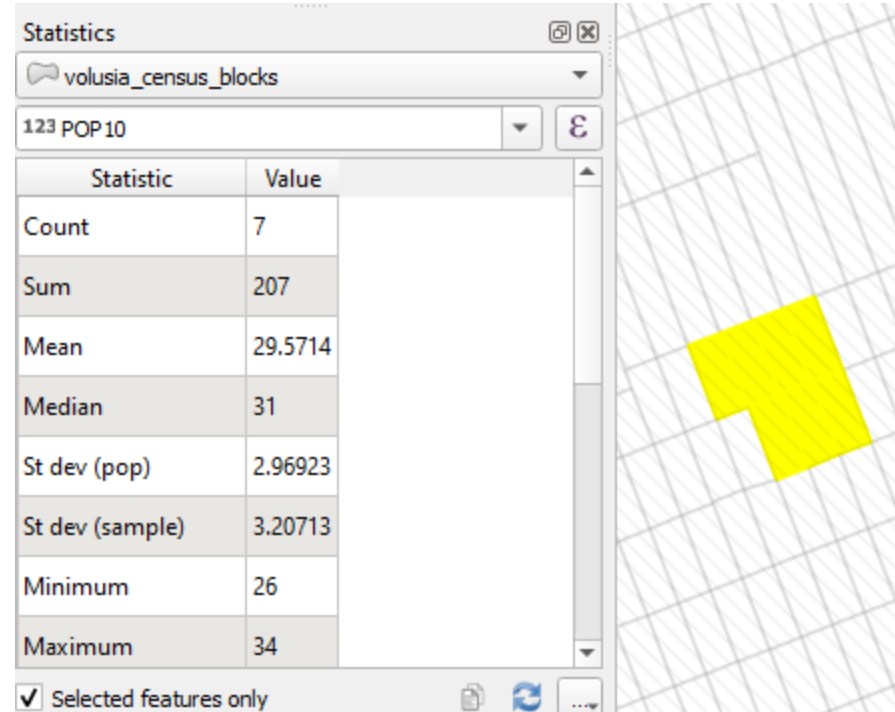


- If we would like to select more than one feature, then we hold the shift button and we click on another block.



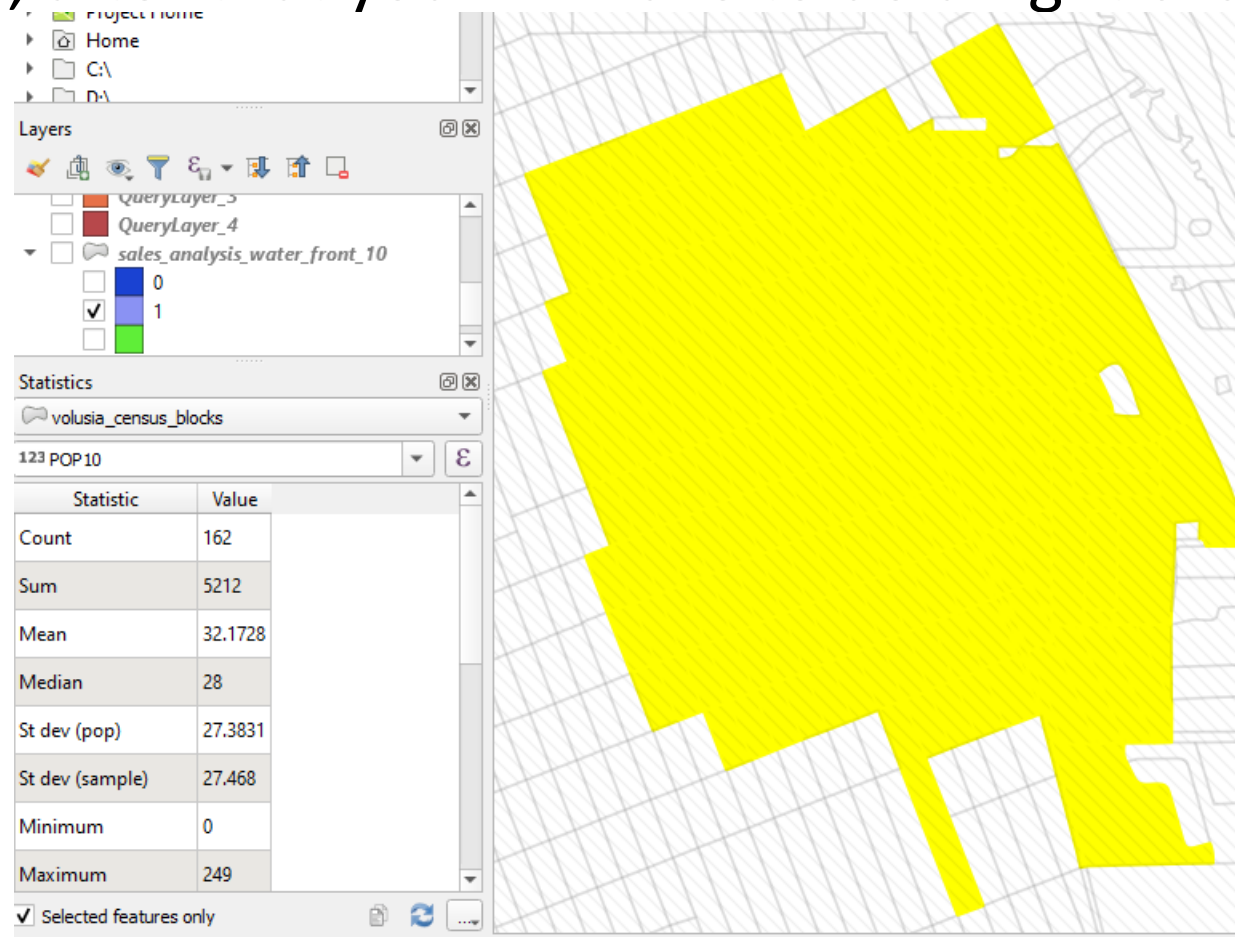
- Now we have two blocks and we can see that there are 77 people and that is because that region is mostly vegetation.

- If we move and go to the city, then we can take a look at different numbers since the population increase.

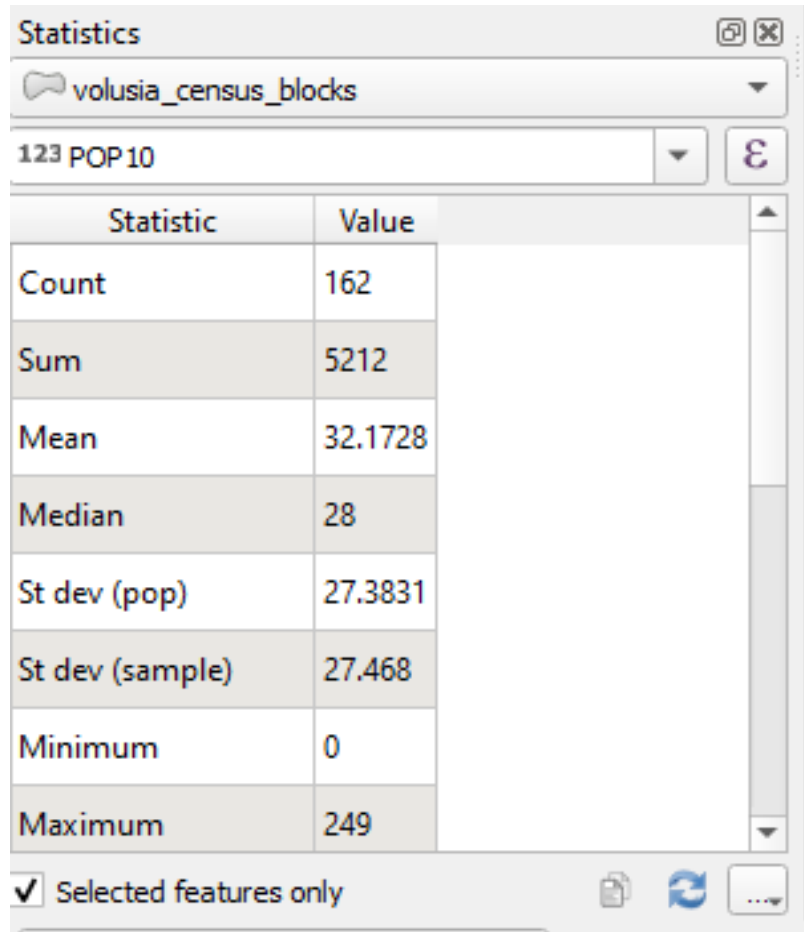


- In this case, there are 7 blocks selected and we have 207 people with a mean of 29 people.

- Now by using the option *select features by polygon*:
- You must select the desire shape by doing left click to select each point of the polygon, after that you will have to do a right click to finish the polygon.



- As we can see, with the polygon option we can take a look at more blocks rather than just clicking one by one.



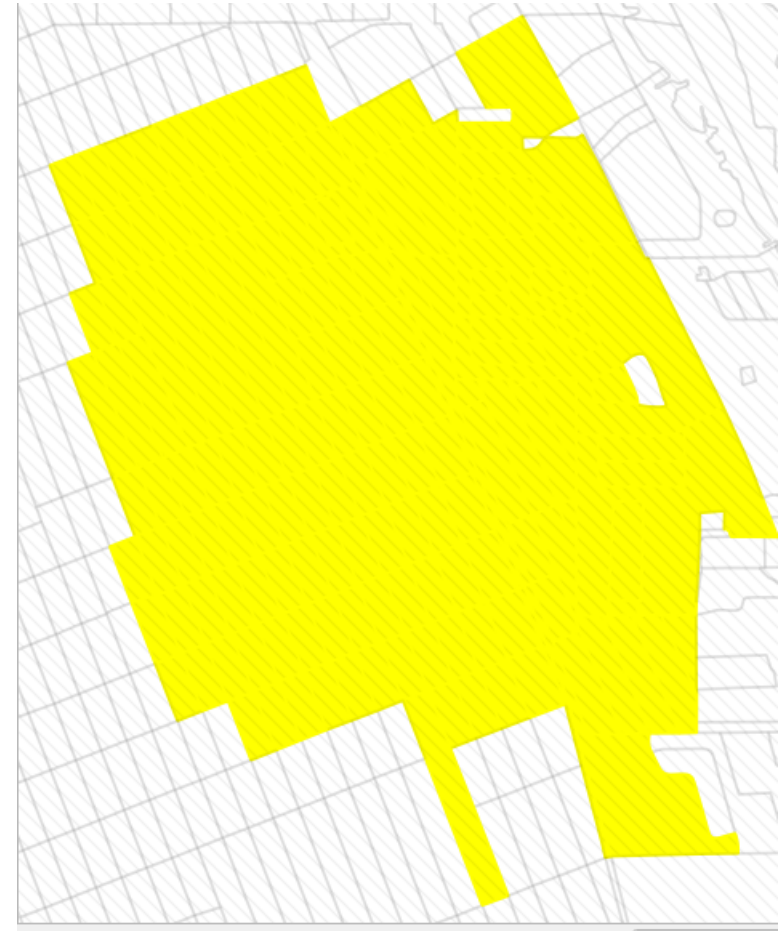
Statistics

volusia_census_blocks

123 POP10

Statistic	Value
Count	162
Sum	5212
Mean	32.1728
Median	28
St dev (pop)	27.3831
St dev (sample)	27.468
Minimum	0
Maximum	249

☒ Selected features only



- PS: You can apply the panel statistics tool to work out with other layers. In this case I did the volusia census block layer.