

Field Mapping Task Splitting Algorithm

Team: MMV

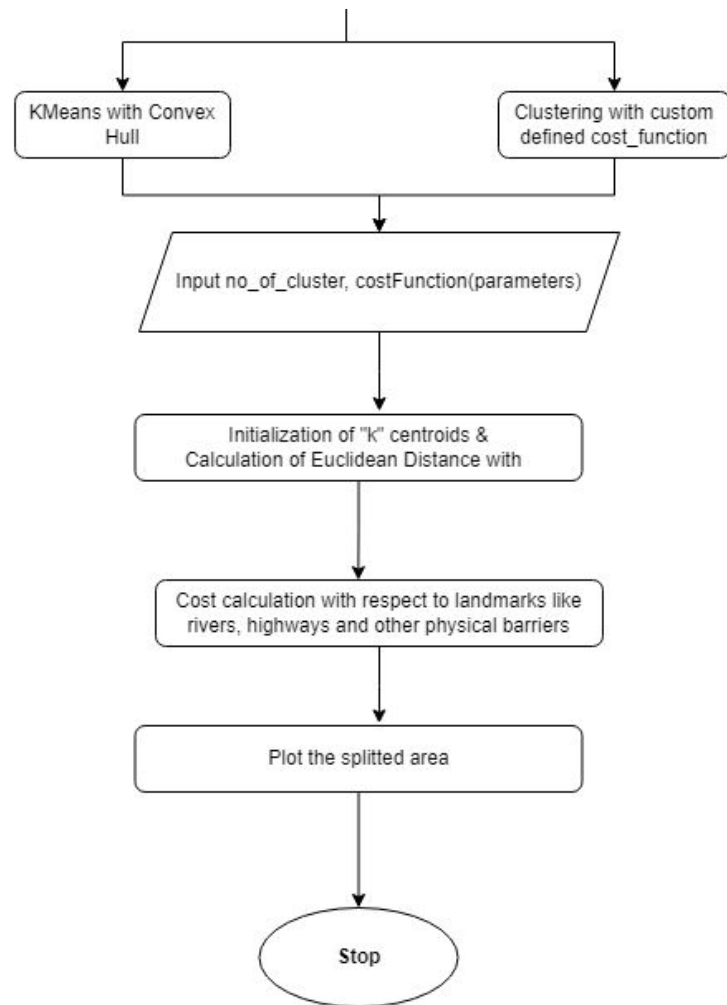
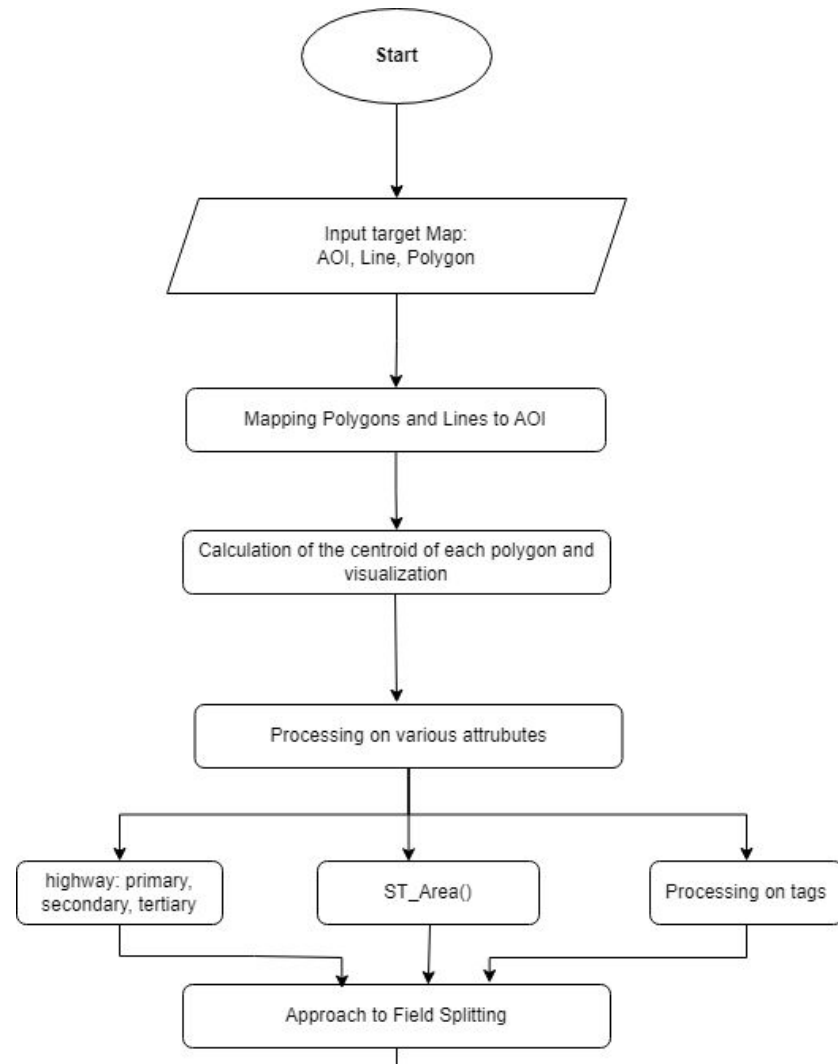
Members:

Om Prakash Sharma

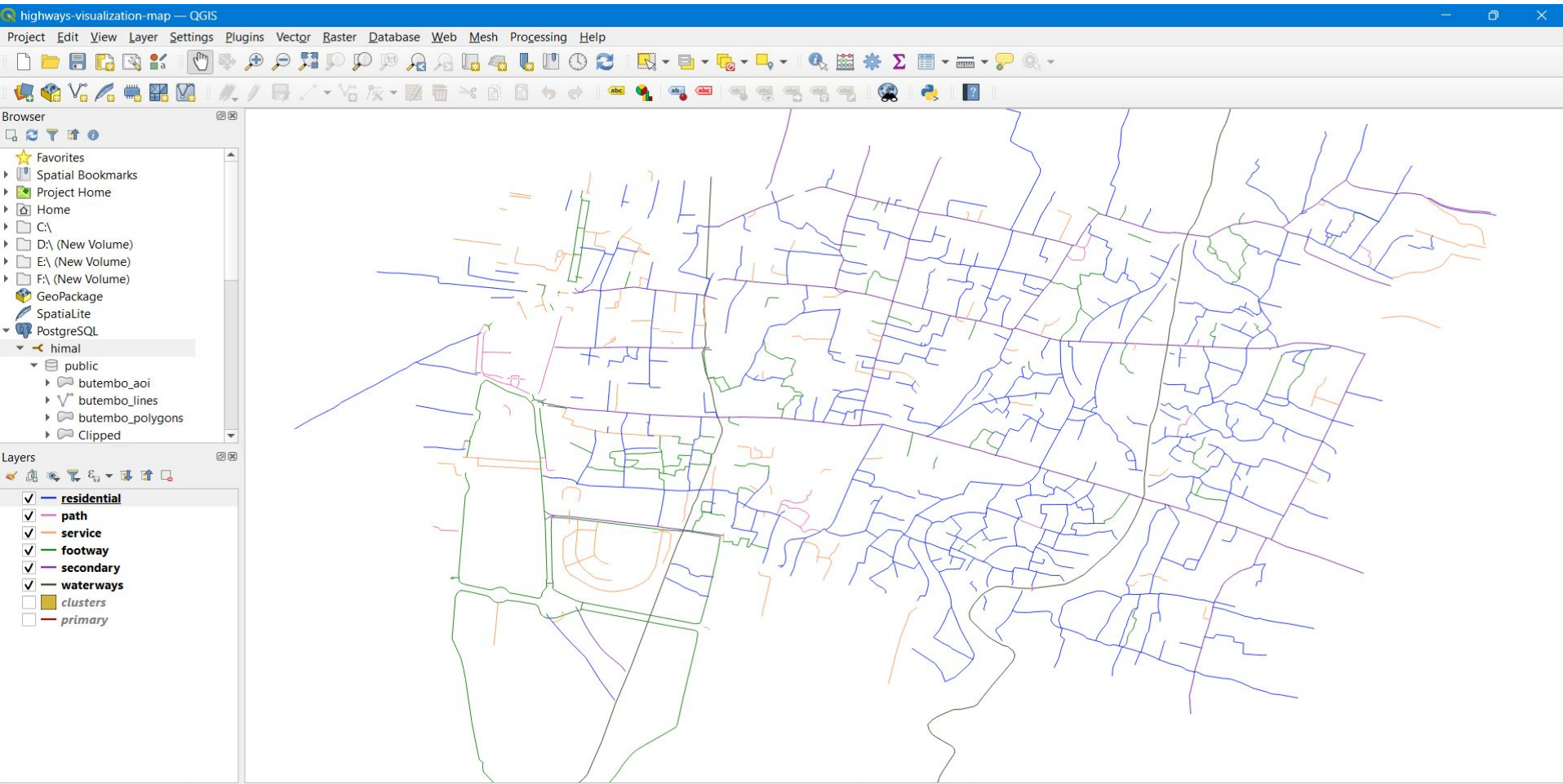
Prabin Bohara

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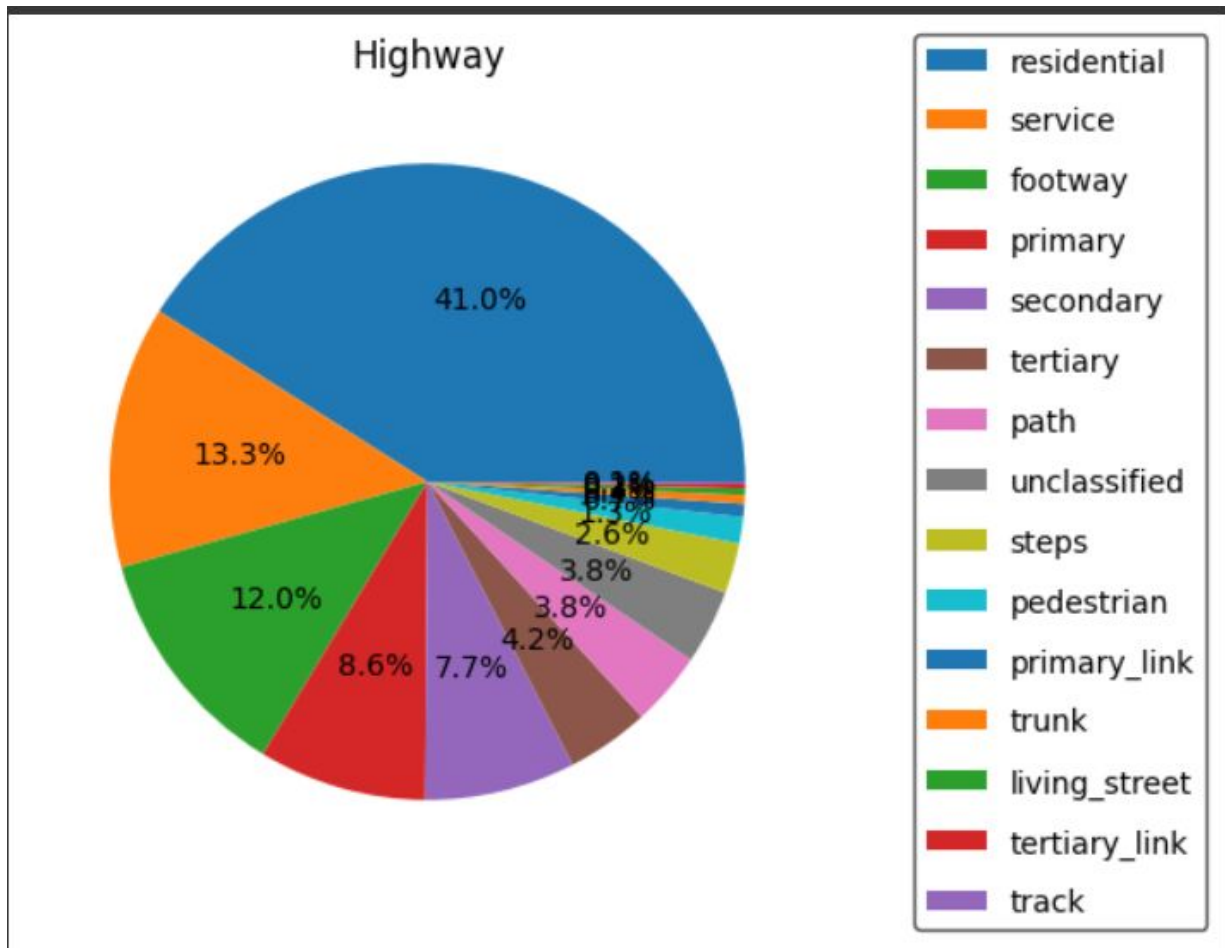
Santosh Pandey



Data Visualization



Data Visualization

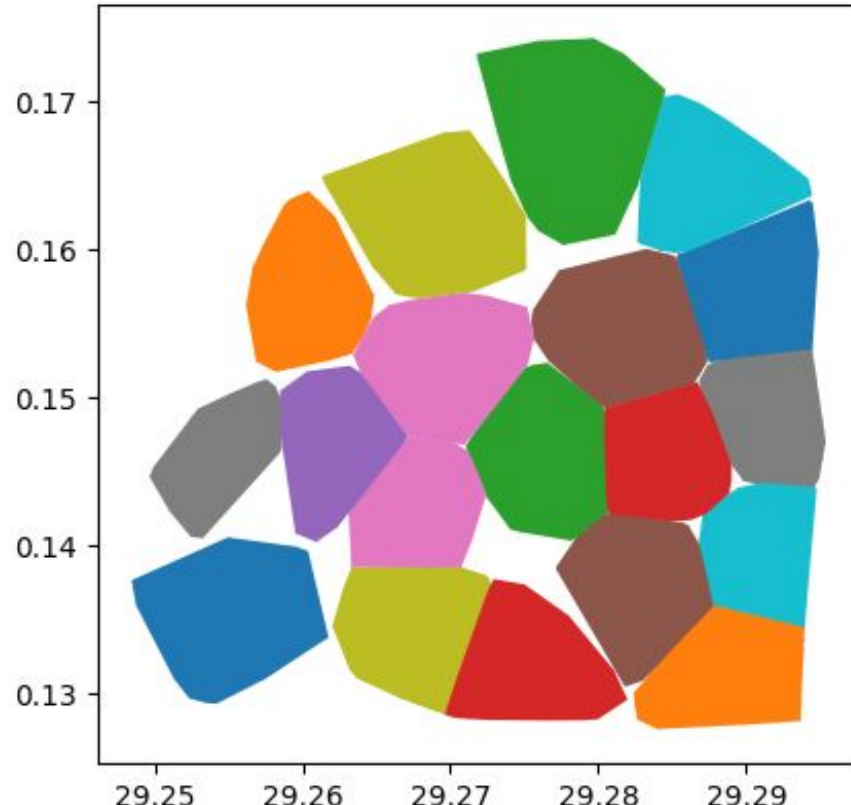


Algorithm

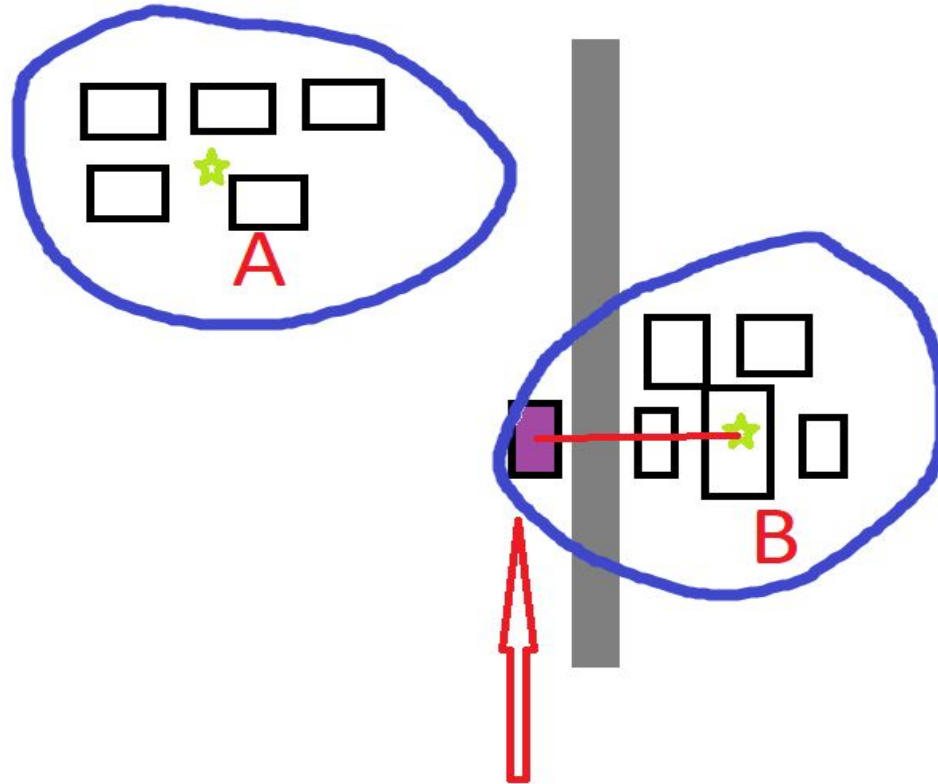
K-nearest neighbour

Modified Cost based K-mean Algorithm

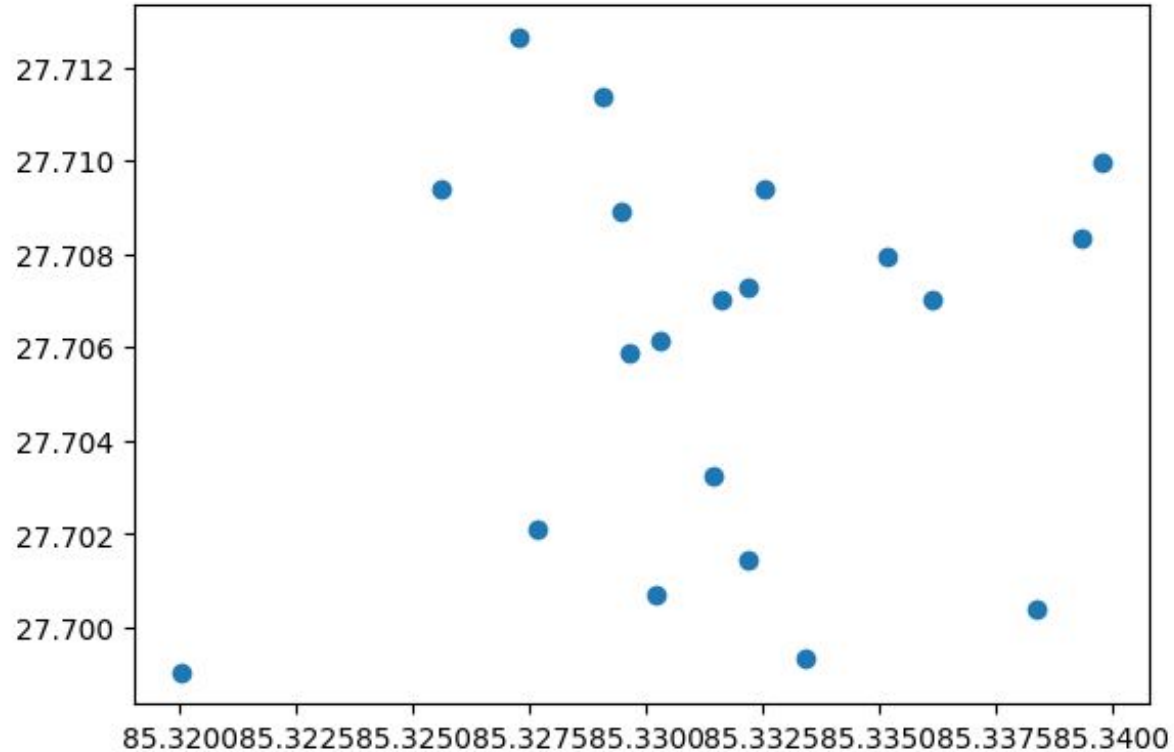
Splitting with K-nearest neighbour algorithm



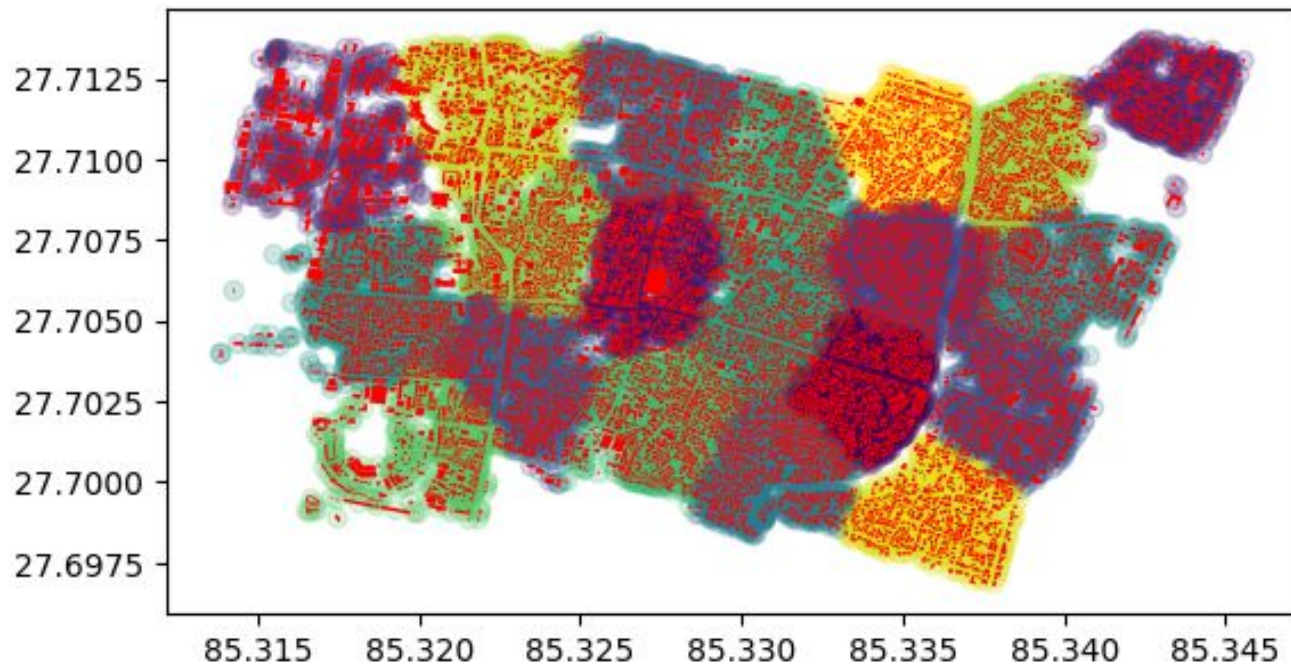
Cost-based K-means clustering algorithm



Cost based K-mean point visualization



Visualization of splitted fields



Future Improvement

- Assigning the weights to different attributes such as building=commercial etc to give special emphasis to those clusters