In this project we will determine efficient location to setup our electric station

- Get data from Sweden statistics
- Clean the data
- Extract Insights from data
- W use four square api to transform our data
- Once data obtained we plotted in maps
- Frequency of occurrence is noted
- Finally most common charging stations are settedup

We observe that Stockholm which has most population density is good place to setup from the map

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map_stockholm
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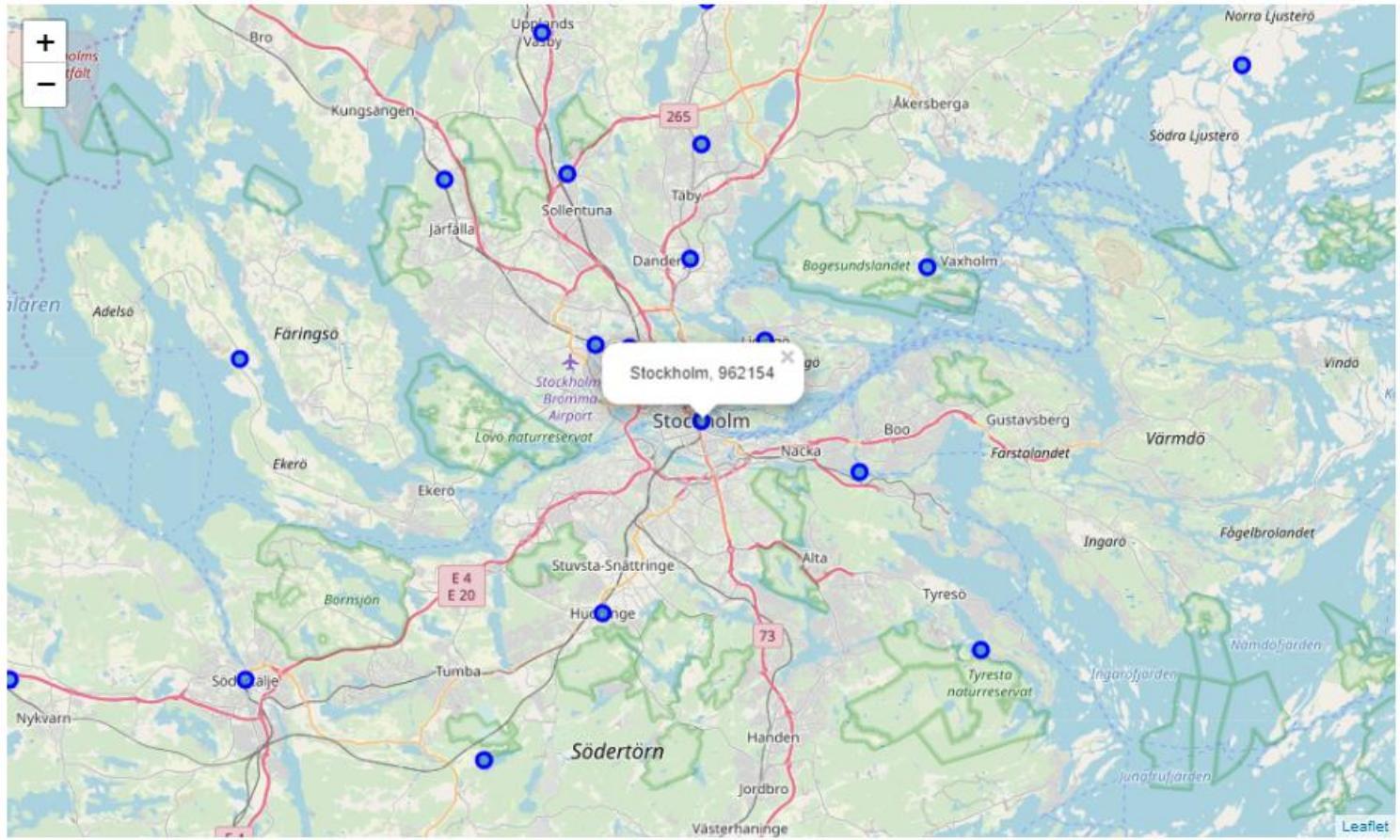

We observe distance between each kommun and Tesla and Bolkytra are most setup together with more opportunities for stockhom to setup

	Kommun	Name of station	latitude	longitude	distance from kommun	Cluster Labels	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue	4th Most Common Venue	5th Most Common Venue
0	Botkyrka	Tesla Supercharger	59.659069	17.076991	71398	0.0	Tesla Supercharger	fortum laddstation	Batterilagret	Bilprovningen	Rocklunda laddstation
1	Botkyrka	Tesla laddstation	59.496508	17.924877	38022	0.0	Tesla Supercharger	fortum laddstation	Batterilagret	Bilprovningen	Rocklunda laddstation
2	Botkyrka	Supercharger Uppsala	59.939114	17.655779	87874	0.0	Tesla Supercharger	fortum laddstation	Batterilagret	Bilprovningen	Rocklunda laddstation
3	Botkyrka	Bilprovningen	58.746488	17.027347	66105	0.0	Tesla Supercharger	fortum laddstation	Batterilagret	Bilprovningen	Rocklunda laddstation
4	Botkyrka	Laddstolpar stockholm stad/vattenfall	59.341439	18.087241	24303	0.0	Tesla Supercharger	fortum laddstation	Batterilagret	Bilprovningen	Rocklunda laddstation

Conclusions and Future Scope:- Given time more variables like rent etc can be considered. Presently only population,Distance between each other and most venues variable is taken into account in setting up our charging station.

THANK YOU