Problem Statement:-

Electric vehicles are increasing in demand because of their eco-friendly and budget friendly. It is still in evolution stage and limited in number. So we explore Stockholm and propose to setup EV Charging station to maximize its utility. We use clustering and data science methodology to solve our problem of opening new charging station.

Databases:-

We use data provided by statistics Sweden and foursquare API to setup our station.

Population in the realm, counties and municipalities December 31, 2018 and population changes October 1 - December 31, 2018

https://www.scb.se/hitta-statistik/statistik-efter-amne/befolkning/befolkningens-sammansattning/befolkningsstatistik/pong/tabell-och-diagram/kvartals--och-halvarsstatistik--kommun-lan-och-riket/kvartal-4-2018/

Methodology: -

We take electric charging stations of each kommun. We then see which kommun has least charging stations and number of venues in each kommun. We then setup out charging station in that kommun.

Results:-

We observe that Tesla and fortum are mostly employed in each kommun. We also observe that population in Stockholm kommun is more and less charging stations are employed and more venues are there. So we setup our charging station near Stockholm kommun

Discussion:-

Initial survey leads to conclusion that more charging stations should be setup near popular venues. In this way we can maximise our efficiency.

Conclusion:-

More research needed to be done as data set is limited . Further factors needed to be taken into account when employing the setup