Plan

Visualise data

* Charging points existing and potential – oleg
* Demands for each year - jx
* Distance from centre – heatmap – transform axis -jx
* Number of charging points (rapid, fast, slow) for existing -
* Point of interest graph, merge excel file – Imran

Objective function

* Budget (cost of building charging station)
* Min distance from charging point to demand, constraint
* Decision var = the number of charging stations in a grid

Constraints

* Budget
* Demand
* Capacity of charging station (kW for each year)
* Traffic
* ???
* Demands, set cover, satisfy all grids?
* Points of interests (prioritise if there are more options)
* Type of chargers (mixture)

Sensitivity analysis

<https://heycar.co.uk/blog/electric-cars-statistics-and-projections>

<https://www.nextgreencar.com/electric-cars/statistics/>

<https://www.dundeecity.gov.uk/performance-indicator/percentage-of-electric-vehicles-in-the-city>

<https://www.transport.gov.scot/media/51956/electric-vehicle-charge-points-in-buildings-consultation-response.pdf>

<https://www.transport.gov.scot/publication/report-on-public-electric-vehicle-ev-infrastructure-in-scotland-opportunities-for-growth/>

<https://wattlogic.com/blog/commercial-ev-charging-stations-cost/>