**What is required?**

Analyse using tables and Graphs

Sort the data into Weekly and monthly data (Sept – December)

Extract insights from the graphs plotted.

**Analysis of Data of Electric Vehicle Charging Transactions of Employees (N/B Employee usage is from 6am-6pm)**

1. Number of Unique Employee Users
2. Rate/frequency of Charge (Daily, Weekly, Monthly)
3. Rate of Charge over the weekend
4. Usage Occupancy of charge points (Daily, Weekly, Monthly)
5. Blocking time (Daily, Weekly, Monthly)
6. Hogging Time (Daily, Weekly, Monthly)
7. Day-time demand Profile (Weekly, weekends, Monthly)
8. Nighttime demand profile (Daily, Weekly, Monthly)
9. EV charging load profile (Daily, Weekly, Monthly)
10. Charge Volume/Energy Uptake in kWh per charge point (Weekly, Monthly)
11. Charge Utilization
12. Plot connection time versus charging time.

***’Charge utilization’*** is defined as the time an

electric vehicle is actually charging, divided by

the time the car is connected. This can be used to

measure effectiveness of the charging

infrastructure. In case the connection time is very

high compared to the actual charging time,

measures could be considered to let the user.

move the vehicle.

1. Capacity Utilization

‘***Capacity utilization’*** is defined as the time a

charging pole is occupied by an electric car,

divided by the total time the charge point was

available (e.g. per day or per day).

13. Amount of Charge station vs amount of charge stations

14. kWh per month kWh

**Analysis of Data of Electric Vehicle Charging Transactions of Public User.** **(N/B Public usage is from 6pm-6am)**

1. Number of Unique Employee Users.
2. Rate or frequency of Charge of each public user (hourly, Weekly, Weekends, Monthly)
3. Rate of Charge over the weekend
4. Usage Occupancy of charge points (hourly, Weekly, Monthly)
5. Blocking time (hourly, Weekly, Monthly)
6. Hogging Time (hourly, Weekly, Monthly)
7. Day-time demand Profile (Weekly, weekends, Monthly)
8. Nighttime demand profile (Daily, Weekly, Monthly)

**Additional analysis**

1. Number of employee users using the charge stations after work(You will know from cost of charge = 0.00)
2. Rate at which employees use the charge stations after 6pm.