

Electricity Company for the maintenance of lighting in stations

Background:

We have an electricity company that wants to maintain the lighting in the stations and wants to know the best times to send the maintenance team to the station to perform their work in the best way and know the peak times for each station to schedule maintenance work

(in July , August and September in 2021)

Question/need:

- 1- What is the best time for a maintenance company to come?
- 2- When are the peak times to avoid?

Data Description:

- The primary data source should be [MTA turnstile data](http://web.mta.info/developers/turnstile.html)
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Tools:

- Ingesting the raw data into a SQL database and querying from that database into Python via SQLAlchemy is required; exploratory analysis and data cleaning in SQL is optional
- Exploratory data analysis in pandas is required
- Python visualization libraries (such as matplotlib) are required