Data Science Bootcamp
SADAIA

project proposal
securing MTA stations

Norah Alqahtani

Summery:

Metropolitan Transportation Authority (MTA) has been receiving a lot of complaining messages from commuters that there are many stealing and harm events in stations, and they realize that their stations need more securing controls. But unfortunately, they don't have enough budget to do so. So, they decided to hire Security First Agency (SFA) and ask them to make MTA's stations more secure with less cost as possible.

Question/need:

- How to make MTA's stations more secure as possible with less cost as possible
- Security First Agency (SFA) that hired by Metropolitan Transportation Authority (MTA) for securing their stations and commuters.

Data Description:

- We planning to benefit from the publicly available Metropolitan Transportation Authority (MTA) Turnstile Data from New York City.
  http://web.mta.info/developers/turnstile.html

Tools:

- SQL database, SQLAlchemy and SQLite
- Exploratory data analysis in pandas
- Python visualization libraries (such as matplotlib and seaborn)