The topic we chose was “Global Terrorism Analysis”. We found the data source from University of Maryland data.

We did ETL for the data which had cleaning, transforming so that it can be loaded into MySQL database, and then loaded it.

We made a leaflet map on our webpage, and it can be filtered with the year and top terrorist attack groups. We used Django to build code to support, and we used Python and JavaScript for coding our webpage.

Later we did machine learning project on same topic, and we compared accuracies of different ML methods. We settled on Random Forest classifier, and Deep Learning methods, as they were more accurate. We compared visualizations of past data in tableau, and future predictions using 2 above methods, and looked to get insight on various Attacks and Casualties vs different factors like Region, Country, Province, Attack Type and Weapon Type. We also have a powerpoint on the github page for more details.