Self- and Team-Assessment

For our final project I was responsible for the database. As there were only three of us doing the project, The database was required to have an ERD and data to be exported into the database right after all transformations with data finished.

The biggest challenge for me was the data selection because in data analysis dataset consider as a heart of whole analysis process. After EDA process I export data from pandas to postgres .It required spending hours on the Internet looking for the right function or code example. For some parts I required the help of teaching assistants.

For making the final project we decided to meet daily with my group mates in zoom and we also set up the chat room in Slack and WhatsApp for emergencies. The most difficult part was to gather all together as we happen to be on different continents and to meet after work which may finish later than we expect.

Despite having difficulties, our team performance was excellent. Everyone contributed a lot during regular meeting sessions, supporting each other and sharing their insights.

The name of our project is Car Accidents In the US. We were creating a prediction model of the severity of car accidents based on other features, like road conditions, weather, time of the day and so on. The overall accuracy for implemented Logistic regression model is 93%. One of the major results is that this model potentially could be implemented into real-life car accidents severity service. Another major result was that the US was split into high, moderate and low car accidents states based on the number of accidents.