**Report for HW 1:**

* 1. Getting the Data

A screen shot of a computer

Description automatically generated

I took different sources of data and created data objects with them. The source is mentioned as a comment of every data.

* 1. Saving the data and scaling

A computer screen with text and images

Description automatically generated

Afterwards I scale the data using the StandardScaler and save them as a XML and JSON

* 1. Creating the pivot table

A computer code with text

Description automatically generated with medium confidence

I reuse the save\_data method to save the newly created pivot table

2. Basic analysis and save to txt and pdf

A computer screen with colorful text

Description automatically generated

3. Create visualisation

A screen shot of a computer program

Description automatically generated

I created a bar, hist and scatter plot fir the data and save it to a pdf and jpg

Unfortunatly the track data is somewhat wrong therefore only the driver data is working correctly .