**Conclusion of Our Project**

**Romain**

During this project i have learned to work on data-visualization, modeling of classifier and using a flask application.

Concerning **data-visualization**, I have been led to reuse the basic libraries seen during the TD : **numpy, panda, matplotlib, seaborn**. I learn how to **work on a dataframe** (group by, drop column, count) and plot multiple graph.

About **Modeling classifier**, I have discover several types of classifiers: **bagging, boosting, stacking and voting**. I have also become aware of the importance of a **grid search** to find optimize classifiers. Thanks to this project I have develop a method of work to find a final model with a good accuracy (I explain it in the conclusion of our power point).

With regard to the creation and use of a **flask application**. I had a lot of difficulty to understand how it worked. I have met many problem with the import and the compatibility of the libraries I needed. Thanks to this part of the project I have develop my knowledge about the **command prompt** (creation and deletion of environment, installation of libraries, moving throw the drive, launching file). I also learn about the use of **flash request with URL parameters**. I am proud to have implemented a few **html** in our project and also a set up of 8 functions of verifications in order to avoid crash of the application and allows to have a **clean interface**. As a bonus, I have discover the **import of python file in an other python file**.

**Leonard**