Project Proposal

How do we predict flight delays at take-off?

in this notebook, I develop a model aimed at predicting flight delays at take-off. The purpose is not to obtain the best possible prediction but rather to emphasize on the various steps needed to build such a model. Along this path, I then put in evidence some **basic but important** concepts. Among then, I comment on the importance of the separation of the dataset during the traning stage and how **cross-validation** helps in determing accurate model parameters. I show how to
build **linear** and **polynomial** models for **univariate** or **multivariate regressions** and also, I give some insight on the reason why **regularisation** helps us in developing models that generalize well.

Dataset:

In the study of predicting flight delays, we used a dataset on Kaggle.

The dataset is available as the .csv file.

Tools:

There are tools that will be used to achieve the goal of this study, such as:

TensorFlow

matplotlib

pandas

nltk

TO DO:

Explore the data and come up with EDA phases then use a model to fit the data.

NOTE: the used features may be increased or changed and the model as well