Schneider Hackathon

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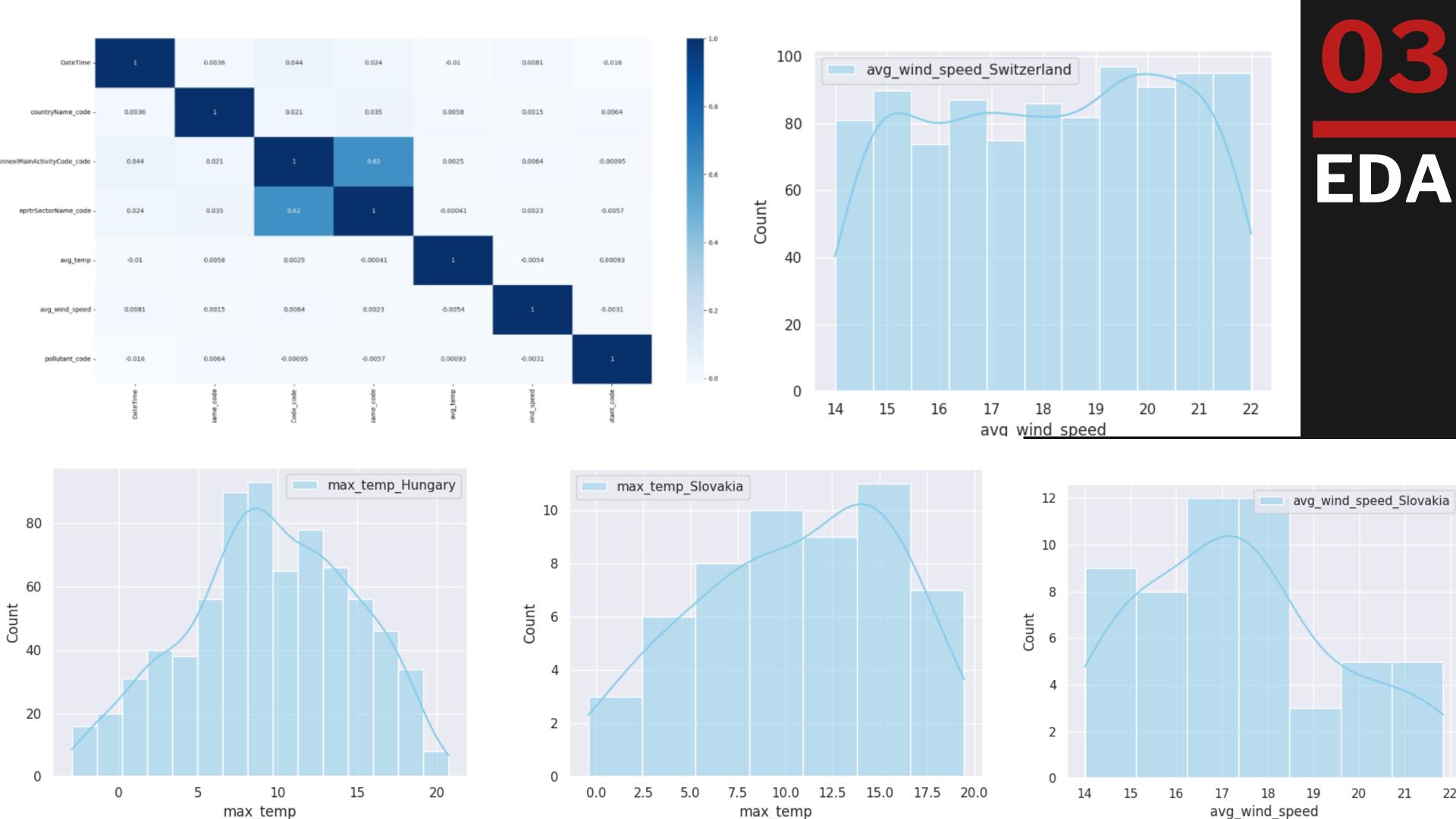
Dataset

We had to deal with Data splitted into CSV and JSON files.

While CSV read was pretty straightforward, JSON contained 2 more columns than CSV.

After having both dataframes unified, we encoded the categorical columns and resorted them.

We also changed the date into a datetime due to facility of our models to ingest it.



Feature Selection

We end up using only the country, activity, sector, average temperature and wind speed.

We wanted to try classic ML Multiclassification algorithms, such as: RF, Decision Trees, SVC, kNN and XGBoost.

The best results were from a Decision Tree with LightGBM and kNN with PCA.

