Final Project

Predicting a coup d'état in Brazil

Main Question

What is the probability to have a coup in Brazil?

Idea of the project
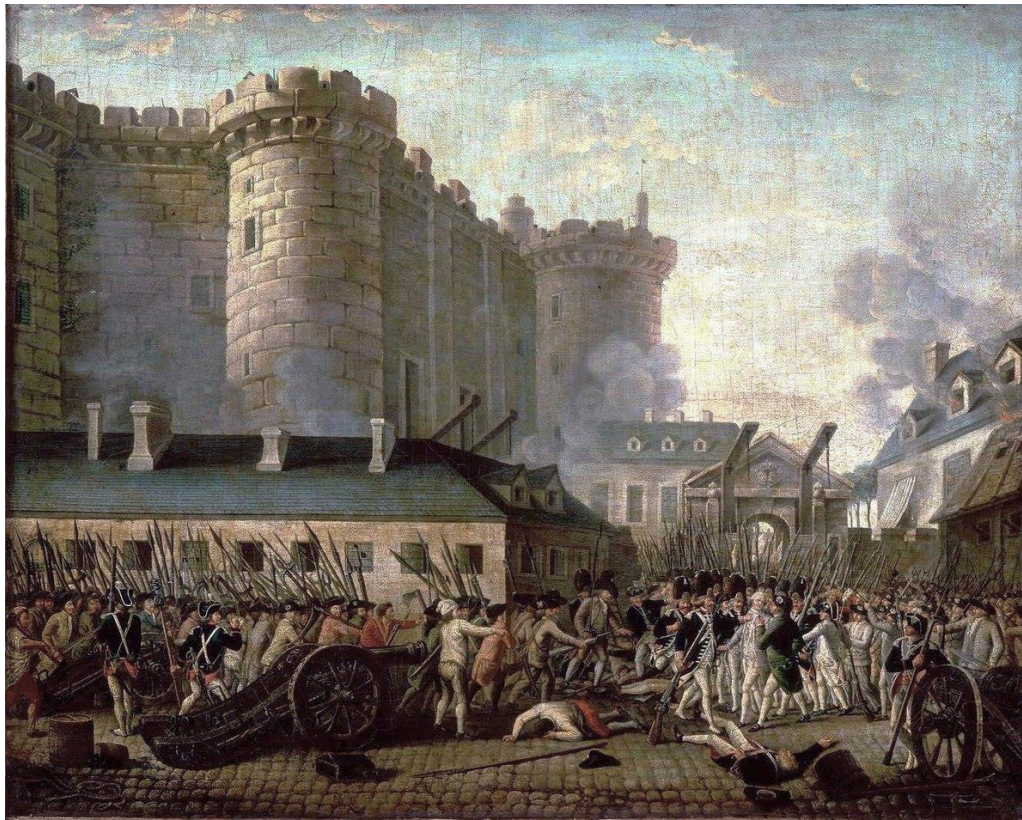
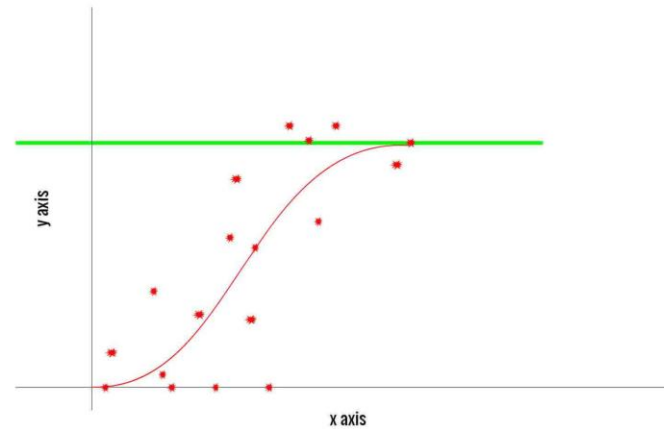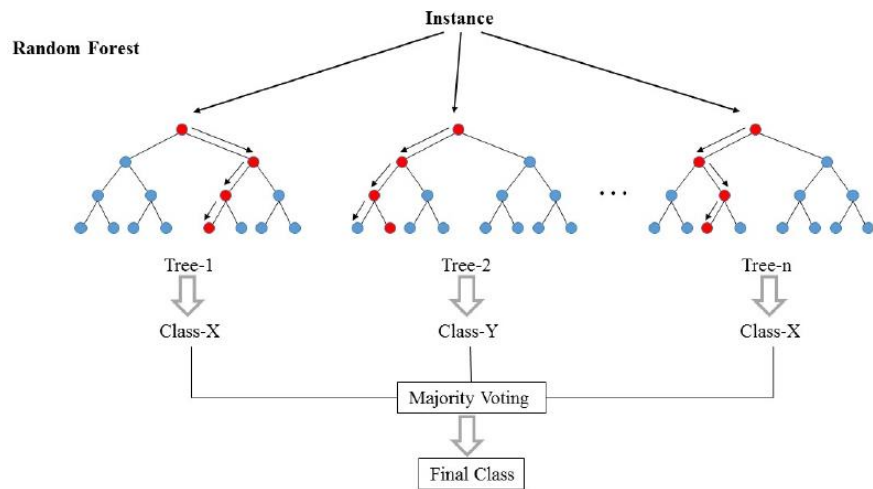# Project procedure – Target

Successful coup feature: YES or NO coup in the given month

Project procedure - Models

Random Forest Classifier:
YES or NO coup

Logistic Regression:
Probability of having a coup

Project procedure – Balance

Balance dataset: increase the probability of guessing right a coup;

Insights

- African model predicted correctly Brazilian coup and coup attempts

12/1959: Aragarças's revolt

- African model predicted correctly Brazilian coup and coup attempts

09/1963: Sargent's Revolt

Revolta esmagada: Ministros militares exigem do Presidente punição rigorosa

- African model predicted correctly Brazilian coup and coup attempts

03 - 04/1964: Military Coup of 1964;

- The most important features are related to the political regime

- Coup attempt;

- Delayed/Cancelled elections;

- Oposition loss;

- Duration of the regime;

- Alternation of political regime;

- African and Brazilian coups shares similar characteristics → E.g. Military, social disorder, etc.

- Math data (ML) interpreted correctly historical facts (Predictive Analytics)

The End