A Network Tour of Data Science

Professor Pierre Vandergheynst

Project Proposal

Ercolani Chiara
Vorobiev Mikhail
Juillard Michaël

Our project aims at predicting the outcome of elections based on Twitter data. First of all we are going to perform a sentiment analysis on tweets mentioning politicians right before an election using this sentiment analysis tool CLiPS. This analysis will tell us whether the Twitter population leans towards or against this candidate. Based on this we are going to predict the outcome of the election. After this training phase based on past elections, we are going to try to predict who will win the upcoming elections according to the current twitter sentiment about the candidates.

Since the tool that we are going to use allows to perform sentiment analysis in different languages, we can focus on predicting a variety of election outcomes from countries all over the world.