



Machine Learning vs. Swiss Politics

Switzerland is proud of its democracy. As they should be, many facets are often part of the public debate and lively discussion. During the previous decade, new digital tools have started to help citizens make up their mind during elections, referenda and initiatives. Smartvote for example, can provide users with detailed recommendations as to what and whom to vote for.

We think that digital technology can have an even greater beneficial impact than it has today. This project lays the groundwork for that: We wish to explore the political landscape by analyzing a rich dataset at our disposal.

Your task is to apply state-of-the-art Machine Learning techniques in order to answer some of the following questions:

- What voter profile is underrepresented amongst politicians?
- Do people vote for their recommended candidates, or do they end up choosing differently?
- To what extent can we use PCA not only to visualize, but to predict someone's preferences?

This project not only allows you to apply exciting ML to an incredibly rich dataset, but the results will also be very tangible.

Requirements: The project will be in Python. An interest in (Swiss) politics is a plus. We will have weekly meetings to discuss open questions and determine the next steps.

Interested? Please contact us for more details!

Contact

- Yann Vonlanthen: yvonlanthen@ethz.ch, ETZ G97

