

## Project Assignment in Class

Building a Robot Judge , ETH Zurich, Spring 2019

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This project assignment deals with natural language processing.

Will use python plus state-of-the-art libraries to explore various topics and apply the methods (exploratory analysis, regression, classification, word embeddings) learned in class. Will start with the dictionary based LIWC and model based spacy to analyze prospective versus retrospective language by looking at the usage of past, present and future tenses in documents.

In the LIWC case will use the categories 090-focuspast, 091-focuspresent and 092-focusfuture. In the spacy case will use POS tagging to identify the past, present and future focusses, looking for the tags VBN, VBD, VBN, VBP, VBZ and the like.

Will apply both approaches to the `cases` corpus and other corpora /political speeches as time permits.

Will analyze the distribution over time.