Argument Mining for Understanding Human Arguments in Clinical Trials and Political Debates

Motivation

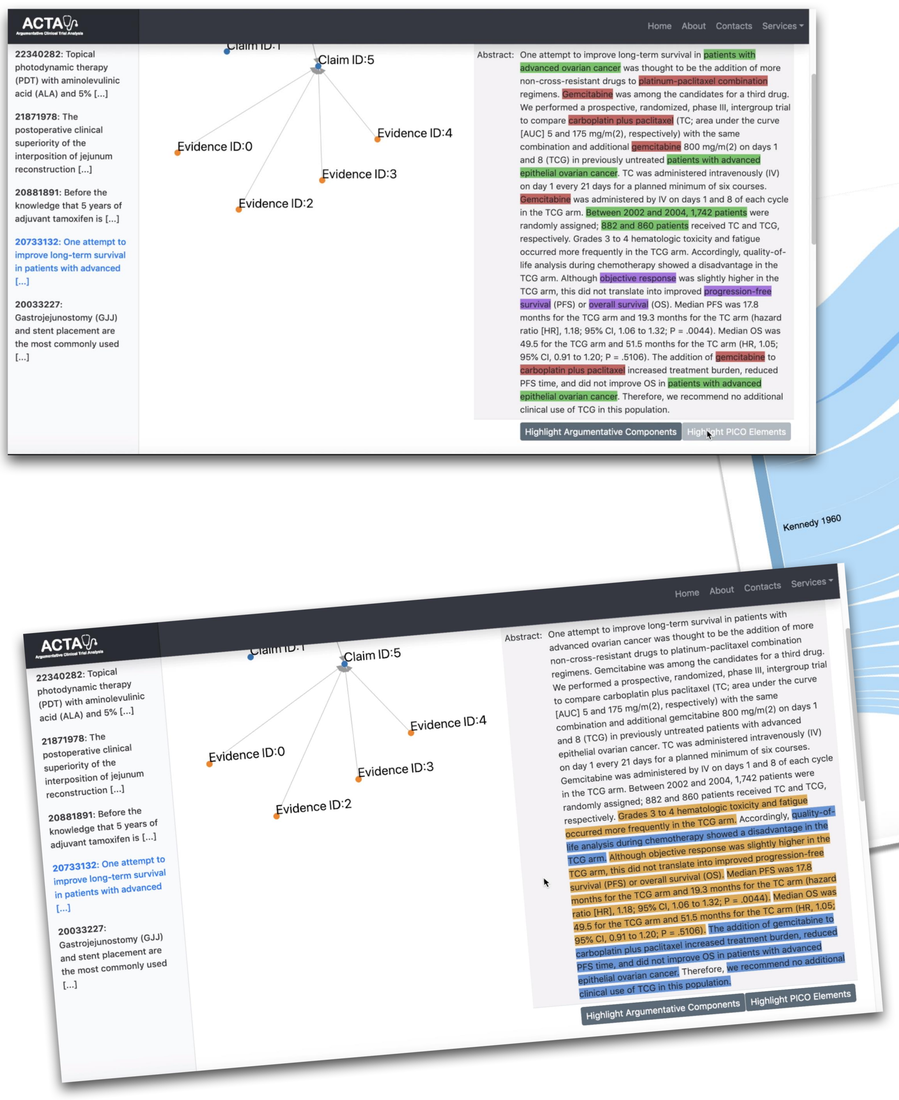
Argument(ation) mining (AM) is an area of research in Artificial Intelligence (AI) that aims to **identify, analyse and automatically generate arguments in natural language**. In a pipeline, the identification and analysis of the arguments and their components (i.e. premises and claims) in texts and the prediction of their relations (i.e. attack and support) are then handled by argument-based reasoning frameworks so that, for example, fallacies and inconsistencies can be automatically identified.

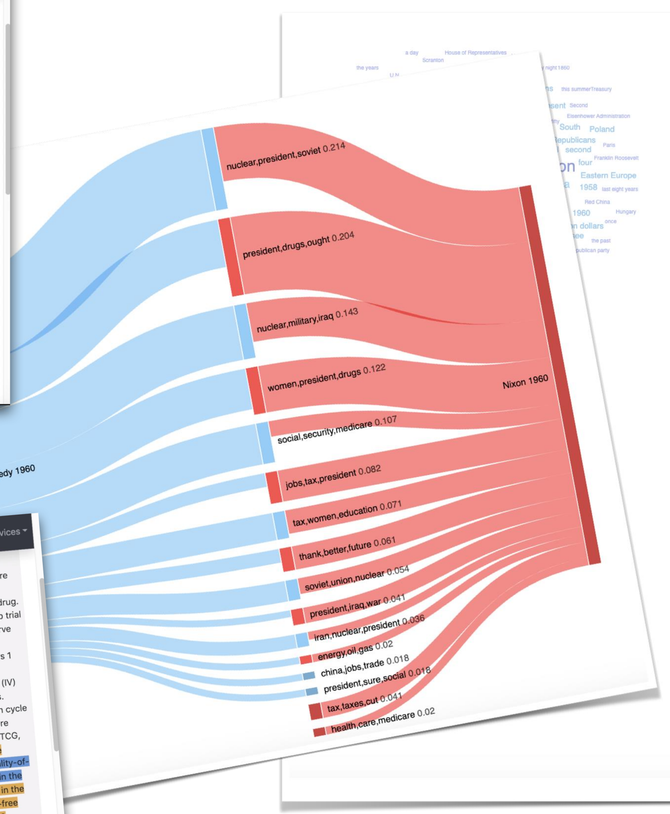
The ACTA and DISPUTool approach

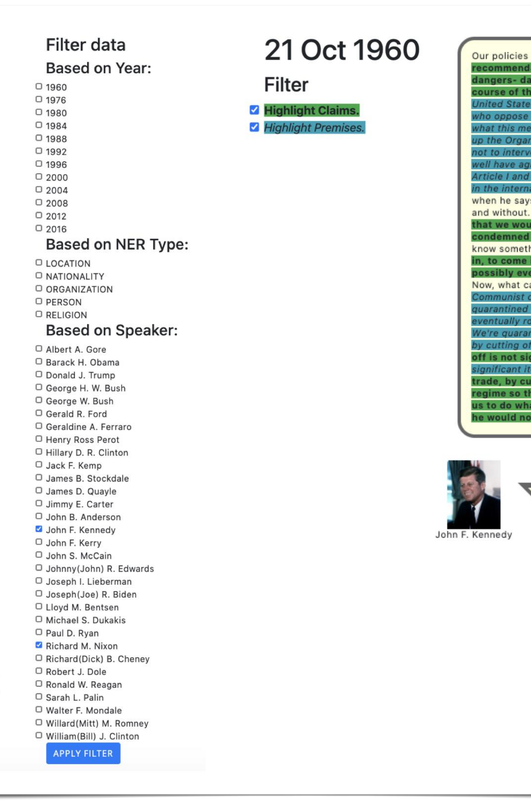
ACTA exploits novel state-of-the-art neural models for the analysis of clinical trials, going beyond the link prediction task by labelling argument relations, and it goes beyond PICO element identification by allowing for the automatic analysis of the effect of an intervention on the observed outcome parameters.

DISPUTool allows to explore the official transcripts of the televised presidential candidate debates in the US from 1960 until 2016, from the website of the Commission on Presidential Debates. It gives also the possibility to automatically analyze political debates

ACTA 2.0 & DISPUTool 2.0







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