CONTEXT

A Legal Tech company wanted to develop a Natural Language Processing tool to analyze legal texts and facilitate document search/review. The objective of the project was to research and develop an MVP application that showcases what features can be extracted from law documents and significantly speeds up content comprehension.

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TECHNOLOGIES

- Python, NLP algorithms
- Machine Learning
- Azure DB
- Streamlit App

SOLUTION & BUSINESS IMPACT

A User interface that allows the user to paste text data and detect novel content compared to a knowledge base.

- Document-level classification: law domain
- Text encoding with state-of-the-art transformer models
- Highlight most or least semantically similar sentences with classification pre-filtering
- Show most similar sentences in the knowledge base