**Legal Contract Analytical Software**

**Motivation**

According to the guardian just 7% of people read the full terms when buying a product or service online while a fifth say they have suffered by not doing so ([full article](https://www.theguardian.com/money/2011/may/11/terms-conditions-small-print-big-problems)). Our aim is to provide software that can help users evaluate legal agreements more quickly and easily.

**About the project**

The software will attempt to analyse statements in legal contracts. Upon analysing each statement, the algorithms used will determine the ‘risk’ of that statement. Risky statements could include anything that is obviously dangerous, ambiguous, precarious etc. After full analysis of the contract, the ‘risky’ statements in the contract will be highlighted and navigable so the user can more easily perform his own evaluation on the contract. An example of where the software is applicably useful can be examined here: <https://www.facebook.com/terms.php>. Although most of this contract is legitimate, 9.1 is more uncertain and may need a closer examination.

**How will it work**

The analysis will be achieved by sending each statement to a custom NLP model that we will design in TensorFlow. That model will attempt to classify the data received, returning the classification of the data joined with the probability score. A statement will be determined as risky when above a probability threshold. The statements calculated as above the threshold will be highlighted after full analysis. For scanned copies of documents, we will use googles text recognition api to convert image text to a usable format that our software can then analyse.

**Project Goals**

1. Provide a web based interface which will allow users to import their legal contracts (providing support for a variety of text formats).
2. Enable users to analyse the legal contract which will highlight any potentially ‘risky’ information.
3. As an extension, would be useful if we could provide support for scanned documents.