**Name:**

Louis Slater

**College:**

Pembroke

**UserID:**

lmcs2

**Director of Studies:**

Anil Madhavapeddy

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**Project area:**

Natural Language Processing – sentiment analysis of British political articles shared on social media platforms

**Outline:**

I will develop a program to perform sentiment analysis on political articles from online UK news sources. Bag-of-words and recursive neural networks are two potential methods of carrying out the analysis. Using a recursive neural network would likely lead to better results, as evidenced by the 2014 paper on ‘Political Ideology Detection Using Recursive Neural Networks’ by Iyyer, Enns, Boyd-Graber and Resnik (see [here](http://www.aclweb.org/anthology/P/P14/P14-1105.pdf)), however due to time constraints, this may not be feasible for a Part II project. Deciding which method to use will be one of the first tasks I complete for the project. I would like to extend this project by analysing articles shared on various social media platforms, with the intention of comparing the platforms’ biases.

**Potential supervisors:**

Marek Rei

Cecilia Mascolo

**Potential special resources:**

None