Faculty of Arts and Sciences Graduate Teaching Assistantships/PhD Studentships

About Us

The Faculty of Arts and Sciences is home to a large and diverse group of disciplines with a track record of excellence in research, much of which crosses traditional disciplinary boundaries. We are particularly keen to continue to build our research capacity, and welcome applications for studentships spread across all subject areas in the Faculty.

The **Department of Computer Science** also welcomes applications for a **Horizon matched funding studentship:**

- Processing Big Data

This research study will aim to propose novel scalable methods able to process very large amounts of textual data.

Lately, the amount of available unstructured and semi-structured textual data has increased dramatically. Data generated by humans, e.g. social media posts, online discussions, e-mails, news, scientific literature, offer the opportunity to extract intelligence but require enhanced processing methods able to deal with the increasing volume. In some cases, such as online social media tools, processing methods are required to produce results for data instances immediately after they are published.

Research related to text processing has produced a wide variety of tools, such as classifiers, sentiment analysers and topic identifiers, however, most of them require substantial amounts of time and processing power, limiting their applicability to offline processing only. This study aims to investigate the feasibility and propose methods for processing very large volumes of text using state-of-the-art network and cloud technologies.

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