University of BRISTOL

Overview of Text Analytics

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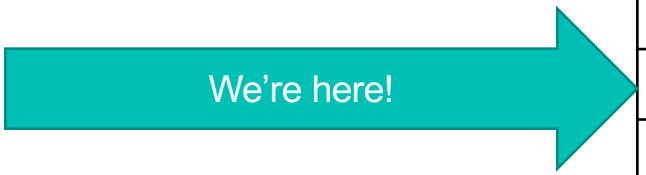
Introduction to Data Analytics



Week	Content
1	Information visualisation
2	Information visualisation
3	Information visualisation
4	Text analytics
5	Text analytics
-	READING WEEK
6	Text analytics
7	Text analytics
8	Text analytics
9	Text analytics
-	SPRING VACATION
10	Information visualisation
11	Information visualisation

Text Analytics In This Unit

Week	Asynchronous Content & Live Discussion	Lab Class
4	Introducing NLP, regular expressions and text normalisation	Regular expressions and tokenisation
5	Classification and sentiment analysis	Sentiment classifiers
-	READING WEEK	
6	Topic modelling	Latent Dirichlet allocation
	Quiz on weeks 4-6 after the live discussion, worth 10% of the unit	
7	Vector representations & sequence labelling	Coursework support
8	Named entity recognition	Sequence labelling
9	Relations	Coursework support

Lectures

- ~Three videos per week
- Please watch **before Mondays' labs** at 4pm
- Wednesday discussion sessions at 9am: informal quizzes, Q&A and discussions about the topics in the videos
- Blackboard Quiz in the week following reading week
  - 10% of the marks
  - Multiple choice and multiple answer Qs
  - Covers topics in weeks 4-6 of this unit (weeks 16-19 in the university calendar)

Labs

- Four sets of Python exercises Released in the 4th, 5th, 6th and 8th weeks
- Help you to learn the methods covered in the lectures and prepare for coursework
- The labs are not marked, solutions will be provided after the labs
- Coursework will be 90% of the unit mark
  - Half of the assignment will be text analytics, half will be information visualisation
  - Lab sessions in 7th and 9th weeks will provide coursework support

Forum and Extra Support

- Teams: post a question in the *QA* channel
- Post questions on the Blackboard discussion page
- Outside of labs and live discussions, TAs will review your questions from 11-11.30, Tuesdays and Thursdays
- Please also share relevant software tools, articles, etc.

Reading

- Eisenstein, Jacob. *Introduction to natural language processing*. MIT press, 2019.
  - Avaialble in the library
  - Or see the free online draft
- Jurafsky, Dan and Martin, James H., *Speech and Language Processing (3rd ed. draft):*
  - *https://web.stanford.edu/~jurafsky/slp3/*
  - 2nd edition is available in the library

That's it for now…