



Course Code & Title	LISS357 Digital Methods for Analysing Texts				
Convenor(s)	Dr Ana Valdivia, Research Associate at SECURITY FLOWS				
Institution	King's College London	Department		LISS DTP	
Academic Year	2021-22		Term	Spring	
Number of sessions	3	Research Platform	Quantitative Research (QuT)	Length of Session(s)	3hrs (1h of lecture and 2h of seminar)
Day, Date		Start : End		Room Location	
15 th February 2022		10:00 to 13:00		Via Zoom	
16 th February 2022		10:00 to 13:00			
17 th February 2022		10:00 to 13:00			
Enrolment Links:	Click here to enrol on this online course – you may be prompted to log in to SkillsForge				

Course Description:

This course familiarises PhD students with the main **text mining** techniques in social science and develops basic skills in **digital methods**. After completion you are familiar with the theoretical and methodological underpinnings of natural language processing perspective and are able to conduct a basic text analysis. Throughout the course we will focus on applying text analysis to empirical data, where possible related to the students own research.

Students will become familiar with digital methods in text analysis as a flexible approach that comes with a practical set of research instruments to empirically investigate a range of questions in social science. They will learn how to approach and **manage text data**, **analyse texts**, and **visualize** this information.

Reading List:

- Bengfort, Benjamin, Rebecca Bilbro, and Tony Ojeda. *Applied Text Analysis with Python: Enabling Language-Aware Data Products with Machine Learning*. " O'Reilly Media, Inc.", 2018.



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- Bird, Steven, Ewan Klein, and Edward Loper. *Natural language processing with Python: analyzing text with the natural language toolkit*. " O'Reilly Media, Inc.", 2009.
- <https://tm4ss.github.io/docs/index.html>

Eligibility:

You must be a PhD student at King's, Queen Mary or Imperial, and you must have already registered as a LISS DTP student via the following link: <https://liss-dtp.ac.uk/affiliates/>

Pre-course preparation:

For the hands on text mining part of the course we use Jupyter Notebook (Python). Please make every effort to install this on your own computers **before** the short course; reach out ahead of time if you need assistance.

Useful links:

- <https://jupyter.org/install>
- <https://medium.com/@kswalawage/install-python-and-jupyter-notebook-to-windows-10-64-bit-66db782e1d02>

Number of students:

15