From Text to Tech

Monday 12th August		
Time	Session	Speakers
09:00-10:00	**Opening keynote**	
10:00-10:30	**Refreshment break**	
10:30-12:00	**Introduction to programming in Python** The session provides a basic introduction to programming for digital humanities using the Python language. Among the topics covered are assignments and variables, data types, conditional statements, and reading/writing data.	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
12:00-13:30	**Lunch**	
13:30-15:30	**Introduction to programming in Python (continued)**	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
15:30-16:00	**Refreshment break**	
16:00-17:00	Talk TBC	

Tuesday 4th July		
Time	Session	Speakers
09:00-10:30	**Basic text processing with Python** The session gives an introduction to working with text data in Python. Topics include simple regular expressions and other methods for handling text data.	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
10:30-11:00	**Refreshment break**	
11:00-13:00	**Data structures in Python** This session will cover basic data structures like lists and dictionaries in Python, with practical examples.	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
13:00-14:30	**Lunch**	

14:30-15:30	**Exercises and catching-up session**	
15:30-16:00	**Refreshment break**	
16:00-17:00	TBC or Optional session	

Wednesday 14th August		
Time	Session	Speakers
09:00-10:30	**Working with tabular data** This session gives an introduction to working with semi-structured texts, such as XML or HTML documents. It shows how to access data via APIs and analyse the content with Pandas	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
10:30-11:00	**Refreshment break**	
11:00-13:00	**Working with tabular data (continued)**	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
13:00-14:30	**Lunch**	
14:30-15:30	Exercises and catching-up session	
15:30-16:00	**Refreshment break**	
16:00-17:00	TBC or Optional session	

Thursday 15th August		
Time	Session	Speakers

09:00-10:30	**Introduction to Natural Language Processing in Python**	Kaspar Beelen
		Mariona Coll Ardanuy
	This session provides an introduction to natural language processing in python, with a focus on text preprocessing, covering tasks such as lemmatization, part-of-speech tagging and named entity recognition.	Federico Nanni
10:30-11:00	**Refreshment break**	
11:00-13:00	**Introduction to Natural Language Processing in Python (continued)**	Kaspar Beelen
		Mariona Coll Ardanuy
	This session provides an introduction to natural language processing in python, with a focus on text preprocessing, covering tasks such as lemmatization, part-of-speech tagging and named entity recognition.	Federico Nanni
13:00-14:30	**Lunch**	
14:30-15:30	**Intro to language modeling**	Kaspar Beelen
		Mariona Coll Ardanuy
	In this session we offer an introduction to language modeling and its central role in current natural language processing research.	Federico Nanni
15:30-16:00	**Refreshment break**	
16:00-17:00	**Topic modelling**	Federico Nanni
	In this session we cover how to apply topic models for understanding the content of a corpus and discover underlying trends.	
Friday 16th AUgust		
9:00-10:30	**Word embeddings**	Kaspar Beelen
		Mariona Coll Ardanuy
	We offer a kind introduction to semantic analysis with word embeddings. We show how this technique can be used for humanities research, such as tracking semantic change or understanding biases in a corpus.	Federico Nanni

10:30 – 11:00	**Refreshment break**	
11:00 – 13:00	**Transformers for NLP** This session introduces the concept of contextualized word embeddings and shows how to use them for different tasks using the HuggingFace libraries.	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
13:00 – 14:30	**Lunch**	
14:30 – 15:30	Questions and open discussion	Kaspar Beelen Mariona Coll Ardanuy Federico Nanni
15:30 – 16:00	**Refreshment break**	
16:00 – 17:00	**Closing keynote**	