

Text Mining for Innovation & Research Studies – Summer School

Day 1: Thursday 25th June 2026

| Section | Time | Topic |
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| Introduction to Text Analysis in Innovation & Research Studies | 9:00 - 9.30 | Text Analysis in Innovation & Research Studies: key definitions, framework, and brief history |
| | 9:30 – 10:30 | Introduction to Text Analysis: purpose, text preprocessing, and text encoding |
| BREAK | 10:30 – 11:00 | |
| Textual data for Innovation & Research Studies | 11:00 – 11:30 | Gateway to Research (GtR) data deep dive: structure, linking to OpenAlex, funding streams, institutions, outcomes |
| | 11:30 – 11:45 | Guest input: “What do we wish we could see from research funding data?” |
| | 11:45 – 13:00 | Hands on: Setup: R libraries, get data access sorted, set up groups, data cleaning |
| LUNCH | 13:00 – 14:00 | |
| Apply NLP techniques | 14:00 – 15:30 | Topic Modelling |
| | 15:30 – 15:45 | BREAK |
| | 15:45 – 17:00 | Hands on: Analysis I (exploring topic modelling) |
| Evening meal (venue TBC) | 17:00 onwards | |

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Day 2: Friday 26th June 2026

| Section | Time | Topic |
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| Text Analysis with Transformers | 9:00 – 9:45 | Sentiment analysis, and Named Entity Recognition |
| | 9:45 – 10:30 | Transformers & Large Language Models |
| | 10:30 – 10:45 | BREAK |
| | 10:45 – 12:30 | Hands on: Analysis II: Finalising & applying approach (with justification) |
| LUNCH | 12:30 – 13:30 | |
| Final Presentations | 13:30 – 14:30 | Hands on: Visualisation & presentation prep |
| | 14:30 – 15:00 | Groupwork: Presentations (5 minutes per group) |
| | 15:00 – 15:30 | Group feedback & Q&A |
| | 15:30 – 15:40 | Impact wrap-up |