

Text Mining and Low-Tech Fundamentals of NLP

A Short Course Tailored for Tomorrow's Business Leaders

by

Muhammad Al-Zafar

Learning Outcomes

- 1 **Module 1:** Reasoning and Proof Models
- 2 **Module 2:** Foundations of Text Mining
- 3 **Module 3:** Text Preprocessing
- 4 **Module 4:** Exploratory Text Mining
- 5 **Module 5:** Applied Low-Tech NLP

Lesson Plan

Our Approach: *Scaffolding*, i.e., some part theory and some part practical/guided lab sessions.

- These lectures are designed to be intensive and impactful.
- Spend ± 36 minutes per module.
- ± 20 minutes for theoretical foundations of each module.
- ± 15 minutes for practical examples and lab guided coding exercises that emphasize real-world applications.
- ± 1 minute of rest between modules.

Of course, this is just a rough outline, and we may adjust this based on the needs and requirements of the class; we may spend more time in certain modules and sections, and less time in others.

Classroom Discipline

- You must abide by all the rules and regulations set out by your institution. This includes upholding the moral, ethical, and behavioral standards outlined when registering.
- Please do not disturb your fellow classmates by having conversations with your mic on, as it will disrupt the flow of the delivery of the lesson.
- Feel free to mute and switch off your camera for any comfort breaks (using the washroom, or stretching), or attending to any emergencies.
- This is a conversational style lesson, so feel free to unmute your mic at any point and ask me questions or seek clarification on anything.

Course Material

- **Where can I access the material for this course?**
[https://github.com/MuhammadAlZafarKhan/
Text-Mining-and-Low-Tech-Fundamentals-of-NLP](https://github.com/MuhammadAlZafarKhan/Text-Mining-and-Low-Tech-Fundamentals-of-NLP).