# Session Plan - Textual data

#### **Learning Objectives of the session:**

* What is NLP
* NLP Workflow
* Datasets and their sources
* Text Extraction and Clean-up
* Annotation in NLP
* NLP Tools

#### **Structure of the Session:**

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| **Duration** | **Topic** | **Details** |
| 5 Min | Explaining the session structure | * Check if all the participants have watched the videos of the week * Explanation of the agenda and learning objectives of the session |
| 30 min | Concepts covered  in the videos of  the week | * Use the Pop Quiz to gauge the level of understanding of the learners on videos covered during the week and identify areas to focus on. * Make mentees understand the concept of NLP, Datasets and Sources, Text Extraction, Clean-up, Annotation and Preprocessing. |
| 60 min | Hands-on  demonstration - EDA | * Help the mentees understand the problem statement of the case study and the dataset * Give a hands-on demo on Text Extraction, Clean-up, Annotation, Preprocessing, Segmentation, Tokenization, Normalization, Truncation and Padding |
| 20 min | Industry  Perspective | * Share stories around applications of NLP from your experience and how NLP is adapted in different industries |
| 5 min | Summarize the  session | * In simple bullet points, cover the contents covered during the session |

#### **Important points to note**

* In the hands-on section, please make sure to cover all the text preprocessing in detail with code explanation. This will be their first hands-on in NLP.
* Log in for your session 5 min before and make sure you are ready with all the material to be used for the session.
* Be well prepared for the session, ensure to watch all the videos, related codes, and datasets. The usefulness of the session is directly proportional to the preparedness of the participants.
* Make sure to work on the practice case study before the session.