

Natural Language Processing - Week 1

Learning Objectives of the session:

- Gauging learner's understanding on the topic of the week.
- Understanding the concepts clarity of the learners on:
 - Introduction to Statistical NLP Techniques

Case Studies (Hands on) on the topics mentioned.

- Doubts solving, industry perspective and practices.
- Summary of the session's learning.

Structure of the Session

| Time Distribution of 2 hours | Topic | Detail |
|------------------------------|--|---|
| 10 min | <ul style="list-style-type: none"> • Gauge learner's understanding Natural Language Processing | <ul style="list-style-type: none"> • Go through all the learners in the group and try to understand the reach of the week's learning within the group on the week's topics. • Highlight the important concepts majority of the group is facing doubts on. |
| 20 min | <ul style="list-style-type: none"> • Concepts clarity of the covered topics. | <ul style="list-style-type: none"> • Clarify the concepts on the doubts identified. |
| 60 min | <ul style="list-style-type: none"> • Case study on Predict Author Features | <ul style="list-style-type: none"> • Use the case study provided to have a hands on exercise. Explain the problem statement, features and data preprocessing and use various techniques to come to a result through the model. • Data: Date set for Statistical NLP |
| 25 min | <ul style="list-style-type: none"> • Doubts clearance • Industry perspective on the mentioned topics • Buffer | <ul style="list-style-type: none"> • Use this time to clarify additional doubts. • Also, explain the industry practices on the techniques as per your experience. |
| 5 min | <ul style="list-style-type: none"> • Summarize the session | <ul style="list-style-type: none"> • Provide a summary of the session. |

