

Week 2 : Mentoring session – Numpy and Pandas

Learning Objectives of the session:

- Understanding concepts of Numpy and Pandas
- Hands on case study - Python

Structure of the Session

Time Distribution of 2 hours	Topic	Detail
First 20 Min	<ul style="list-style-type: none">• Agenda	<ul style="list-style-type: none">• Set the ground rules/agenda for the sessions• Use the pop up Quiz to gauge level of understanding of the learners on videos covered during the week.
10 Mins	<ul style="list-style-type: none">• Python Basics	<ul style="list-style-type: none">• Check if any learner is facing difficulty in opening the python notebook
60 min	<ul style="list-style-type: none">• Case Study based Hands-On Problem Solving <p>Objective- Session should not seem to be a repetition of the videos</p>	<ul style="list-style-type: none">• Introduce them to by explaining the “Food Nutrition” case study problem statement.• Explain the functions in Numpy and Pandas while demonstrating the hands-on example.• Engage them by asking them to run few commands of python• Summarize the key learnings from the case study.
10 min	<ul style="list-style-type: none">• Industry perspective	<ul style="list-style-type: none">• Talk about the industry importance of analytics and its applications.• Share from your experience and from other examples given in the slide how these concepts are used in real life scenarios.
10 min	<ul style="list-style-type: none">• Doubt Clearing and Summarizing the session	<ul style="list-style-type: none">• Clarify the doubts from week 2• Summarize the week by stating the key takeaways