

# Week 3 : Mentoring session – Data Visualization

## Learning Objectives of the session:

- Understanding concepts of Matplotlib and Seaborn
- 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"><li>• Agenda</li></ul>	<ul style="list-style-type: none"><li>• Set the ground rules/agenda for the sessions</li><li>• <b>Use the pop up Quiz to gauge</b> level of understanding of the learners on videos covered during the week.</li></ul>
10 Mins	<ul style="list-style-type: none"><li>• Python Basics</li></ul>	<ul style="list-style-type: none"><li>• Check if any learner is facing difficulty in opening the python notebook</li></ul>
60 min	<ul style="list-style-type: none"><li>• Case Study based Hands-On Problem Solving</li></ul> <p><b>Objective</b>- Session should not seem to be a repetition of the videos</p>	<ul style="list-style-type: none"><li>• Introduce them to by explaining the “Honey Production” case study problem statement.</li><li>• Explain the functions in Matplotlib and seaborn while demonstrating the hands-on example.</li><li>• Engage them by asking them to run few commands of python</li><li>• Summarize the key learnings from the case study.</li></ul>
10 min	<ul style="list-style-type: none"><li>• Industry perspective</li></ul>	<ul style="list-style-type: none"><li>• Talk about the industry importance of visualization and its applications.</li><li>• Share from your experience and from other examples given in the slide how these concepts are used in real life scenarios.</li></ul>
10 min	<ul style="list-style-type: none"><li>• Doubt Clearing and Summarizing the session</li></ul>	<ul style="list-style-type: none"><li>• Clarify the doubts from week 3</li><li>• Summarize the week by stating the key takeaways</li></ul>