

Session Plan (What is Data Science - Module1) - (Online)				
Topics	Objectives	Methodology & ROPES model	Description	Duration
<b>Instructor Introduction &amp; Pre-assessment</b>	Instructors introduce themselves and get to know the students. Assess learners' initial knowledge.	Introduction and Pre-assessment	1. The instructor introduces themselves, asks students about their backgrounds, and sends out the pre-assessment to gauge knowledge levels.	20 mins
<b>Introduction</b>	Recap previous topics and introduce session objectives	PPT Introduction	Instructor introduces the topic of "What is Data Science" and highlights objectives.	10 mins
<b>What is Data Science?</b>	Define and explore the essence of data science	PPT Presentation Slides 4–5 Slides	Instructor defines data science, focusing on its continuous process of gaining insights from data.	15 mins
<b>Fundamentals of Data Science</b>	Introduce the foundational concepts of data science	PPT Presentation Slides 6–8 Slides	Instructor explains the importance of data analysis and tools used in data science.	20 mins
<b>Activity</b>	Explore real-life applications of data science	Group discussion	Learners discuss applications like chatbots, recommendation systems, etc., in small groups.	15 mins
<b>The Many Paths to Data Science</b>	Introduce career paths and personal journeys	PPT Presentation Slides 10–12 Slides	Instructor discusses how professionals enter data science, referencing diverse backgrounds and fields.	10 mins
<b>Advice for New Data Scientists</b>	<b>Provide advice for beginners in data science</b>	<b>PPT Presentation Slides 13–15 Slides</b>	<b>Instructor shares career strategies, such as building analytical skills and mastering tools.</b>	10 mins
<b>Break</b>				20 mins
<b>Data Science Process</b>	Summarize the key stages of data science	PPT Presentation Slides 16–17 Slides	Instructor explains the process from problem clarification to data visualization.	15 mins

<b>Skills for Data Scientists</b>	Identify the skills needed for success	PPT Presentation Slides 22 – 23 Slides	Instructor outlines skills like programming, data visualization, and domain knowledge.	20 mins
<b>Activity</b>	Q&A to reinforce learning	Interactive Q&A Slide 32	Instructor engages participants by asking questions about the content to assess knowledge.	15 mins
<b>Closure</b>	Wrap up the session and summarize key takeaways	Activity	Instructor summarizes key concepts using interactive tools.	10 mins