Group Coaching Session - II

This session will be conducted while the learners have completed the module on hypothesis testing and are currently attempting the Lending club case study. The broad breakdown of the concepts taught in these modules can be found in ML curriculum here

Special instructions have been provided in the detailed lesson plan as per the following personas:

Group Persona Category	Work Ex.	Background
ETTr (Experienced-Tech wants transition)	High (> 7-8)	Technical
ETNTr(Experienced-Tech does not want transition)	High (> 7-8)	Technical
ENTNTr(Experienced-Non-Tech does not want transition)	High (> 7-8)	Non-Technical
ENTTr(Experienced-Non-Tech want transition)	High (> 7-8)	Non-Technical
NENTTr (Non-Experienced-Non-Tech wants transition)	Low (< 7-8)	Non-technical
NETTr (Non-Experienced Tech wants transition)	Low (< 7-8)	Technical
NENTNTr (Non-Experienced-Non-Tech does not want transition)	Low (< 7-8)	Non-technical
NENTTr (Non-Experienced-Tech does not want transition)	Low (< 7-8)	Technical

Objective

Since this is the second group mentoring session the learners will attend, the objective of the session will be for the instructor to help learners on the concepts of hypothesis testing along with clarifying questions on the Lending club case study.

Along with the above-mentioned topics, the instructor will help the learners with the concepts of exploratory data analysis.

Agenda

1. Part-I: Introduction (10 mins)
2. Part II: Focused teaching (45 mins)
3. Part III: Doubt resolution (15 mins)
4. Part IV: Personalised feedback (20 mins)

Element Name	Colour Code
Doubt Resolution/P2P	
Focused Teaching	
Personalised Feedback	
Career Guidance	
Flip Classroom	
Miscellaneous	

Detailed Lesson Plan

Component	Instruction Task/Learner Task	Time (mins)	#Questions	Element of Engagement
Part-I: Introduction (15 mins)	Greet the learners and take feedback on the learning on last two weeks. *Clear any doubts if exist. Provide an opportunity for fellow learners to answer these doubts.*	15	-	Social Support
Part-II: Focused Teaching (45 mins)	**Transition learners/ Non-transition (A/P):** Present the learners with a dataset for EDA. Ideally, the dataset should be from Kaggle. Allow learners and opportunity to perform EDA on the dataset.	45	-	Content

	Help the learners in case they find any issues. Build a couple of questions on hypothesis testing in the dataset and solve them for the learners			
Part-III: Doubt Resolution (10 mins)	Ask the learners for key learning across the last three weeks and clarify any doubts they may have on the assignment.	10		Doubt resolution
Part-IV: Personalised Feedback (20 mins)	Spend 2-3 minutes on each individual and ask around 2-3 questions from Python and Inferential Stats to gauge their current understanding of the topics and identify weak or potential weak areas.	20	3	Personalised Feedback

Questions

Please find a broad pool of questions below. This pool might contain two kinds of questions:

- Most frequent doubts that our learners face in these topics
- Common interview questions from these topics

Please try and address at least 4-5 of these during the session irrespective of whether the students ask their own doubts or not. Some of these might be covered as a part of the doubts coming from the students, so please make sure there aren't any repetitions from your side.

Some questions are more suited for one type of TG than the others. Such questions have been tagged with the appropriate personas and should be addressed during the session in accordance with your group's persona.

1. How do you select the correct plot for analysis?
2. How do you choose a method for hypothesis testing?
3. How do you decide which hypothesis could be an explanation to a given problem?