The instructor plan is provided in the README file.

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| Time - minutes | Topic | Instructor Do | Student Do | Learning Goal |
| 6:50 – 7:05 | Introduction | Question of the day, Pre-Class Temperature Check, TA takes attendance | Think of a response to a real world interview question, Vote in poll | Present the topics of the class and engage students to think about the material. |
| 7:05 – 7:25 | AWS Walkthrough | Have students pull data files from git. Create and ppload data files to s3 and help any students who have configuration issues. Create a jupyter notebook in SageMaker. | Once the data file has been pulled follow along with instructor and create s3 buckets for the data. Create a jupyter notebook. | Familiarize students with the AWS environment. |
| 7:25 – 7:40 | Present statistical Topics | Present the slides on Label Encoding, One-hot encoding, Imputation, RandomForest | Follow along with the slides. | Students will learn about label encoding, One-hot encoding, Imputation and Random Forests |
| 7:40 – 8:00 | Exploratory Analysis on mtcars | Instructor codes the provided analysis on mtcars and demonstrates the topics presented in the slides. | Students code with the instructor on their own jupyter notebook in SageMaker. | Immediate application of the topics presented. Gain insights on how a exploratory analysis on mtcars can be used on other datasets. |
| 8:00 – 8:30 | Breakout Room – students try creditDefault |  |  |  |
| 8:30 – 8:55 | Train model credit default |  |  |  |
| 8:55 – 9:00 | Questions |  |  |  |