

Part A:

Item	Done Completely	Comment	Out of	Mark
Step 1: Problem formulation The reason of using ML in this problem is defined The business problem is defined successfully Type of ML problem is defined			5	0
Step 2: Data Processing and visualisation Using relative paths to ensure the code is working on other machines The code placeholders have been completed and are working fine The CSV files are combined into a single CSV The data in the combined csv file is explored successfully Answers to the questions are provided, and the cell is turned into markdown format. Features for the ML have been defined and encoded to pass them to the ML approaches. The first combined CSV file is saved to the local machine.			15	0
Step 3: Model training and evaluation Data is split into train and test sets The baseline for the classification task is built The baseline for the classification task is evaluated on the test data using different evaluation metrics Answers to the questions are provided and the cell is turned into markdown format.			10	0
Step 4: Deployment The link of the pushed repository to the GitHub is provided and is working fine A readme.md file is created with the instructions for running this code on other machines			10	0
Step 5: Feature Engineering Indicator variables for the holidays are defined Weather data is downloaded and loaded into the notebook The weather stations are mapped to airport codes Other code parts for imputing and encoding the features are done successfully A new baseline classifier is created successfully The difference in performance between the two baselines is documented			10	0
Step 6: Using Tableau A dashboard is provided either as a link, PPT or as tableau notebook.			5	0
Conclusion: The conclusion is deduced by highlighting the model performance, challenges and the important things learned in this project.			5	0

Part B:

Item	Done Completely	Comment	Out of	Mark
Step 1: Prepare the environment The notebook is created and downloaded from the AWS environment.			5	0
Step 2: Build and evaluate simple models The data is split into train, validate and test sets The linear estimator model is created The model is hosted on another machine The evaluation is done with suitable metrics			15	0
Step 3: Build and evaluate ensemble models An ensemble model is created using the xgboost estimator The model is hosted on another machine The evaluation is done			10	0
Final Comments: The final comments on using the two approaches are conducted.			10	0