

Tableau & Power BI Exam

[Time: 3.5 hrs]

[Total Marks: 100]

Part I: Tableau

[Total Marks - 50]

The data given contains the information about Uber's ridership.

Dataset Information:

Request ID: Ride request ID

Date: Date of request

Request time: Time at which the ride was requested

Dropoff time: Time at which the ride was completed

Pickup Point: Customer's pickup spot

Driver ID: Driver's unique identification number

Status: Ride status

Perform the following tasks using *Tableau* with the aim to identify patterns which indicate:

Marks

- | | | |
|-----|--|------|
| Q1. | The major time slots when the demand is more | [10] |
| Q2. | Identify the factors that impact incomplete requests | [20] |
| Q3. | Highlight the supply - demand relationship | [20] |

Part II: Power BI

[Total Marks - 50]

An Insurance company wants to visualize the financial performance of claims made against the policies. The data given contains the information about claims processed in the month of January and February. The aim is to plot visualisations which will provide a quick overview of claims data to the leadership.

Dataset Information:

The data consists of 1000 individual claims. The most important variable of interest is `fraud_reported`. This variable is labelled 1 if a certain claim is reported to be fraudulent and 0 otherwise. Each claim in the data is described by 40 different attributes, which are represented as columns. We can divide the descriptive attributes into four main categories: the insured person, the policy of that person, description of the incident and characteristics of the car which is involved in the incident.

Perform the following tasks using <i>PowerBI</i> with the goal to visualise:		Marks
Q1. Various factors like number of claims processed and the total amount approved across various states		[25]
Q2. Count of incidents and impact of time, gender and vehicle age.		[25]