Data Analyst Placement Test – Tasks and Dataset

Task 1: Excel

Use the attached dataset to perform data cleanup and basic analysis. Provide clear answers to each question, and include any relevant formulas or techniques in your final Excel file.

1. Identify duplicate records. How many duplicates exist, and how do you handle them?

2. Find missing or inconsistent data. Which approach do you use to address these issues?

3. Which reason for logistics delays appears most frequently? List the count of shipments associated with each delay reason.

4. Which traffic condition shows the highest average waiting time? Show how you determine this value.

5. Which assets have the highest and lowest utilization rates?

Name your final file: **[YourName]_ExcelAnalysis.xlsx**.

Task 2: Power BI

Import the same dataset into Power BI. Perform any data cleanup or transformations you find necessary. Then answer the questions below. Include any calculations or visuals in your Power BI file.

1. How many shipments face delays compared to those with no delays? Show the proportion.

2. Which factors (temperature, humidity, user transactions, etc.) might influence logistics delays? Briefly explain your approach.

3. Which logistics delay reason occurs most often under different traffic conditions?

4. How do demand forecasts compare to actual shipments? Which observations can you make here?

Name your final file: **[YourName]_PowerBI.pbix**.

Task 3: Presentation

Prepare up to five slides (PowerPoint or PDF) summarizing your main findings and recommendations from both tasks. You may include:

- Key observations and data insights

- Possible solutions for recurring issues (e.g., traffic bottlenecks)

- Any additional points that may enhance operational efficiency

Submission Instructions

1. Reply to this email with the following attachments:

   o **[YourName]_ExcelAnalysis.xlsx**

   o **[YourName]_PowerBI.pbix**

   o Presentation slides (PowerPoint or PDF)

2. Use the subject line **"Completed: Data Analyst Placement Test"**.

We appreciate your time and look forward to reviewing your submission.