WIPRO VELOCITY CONGNTIVE DATA SCIENCE PROGRAM

Assignment Set 1

GUIDELINES

Note: **This document is for class discussion only. This document is provided for learners in this Data Science Program and is not meant for circulation outside Wipro.**
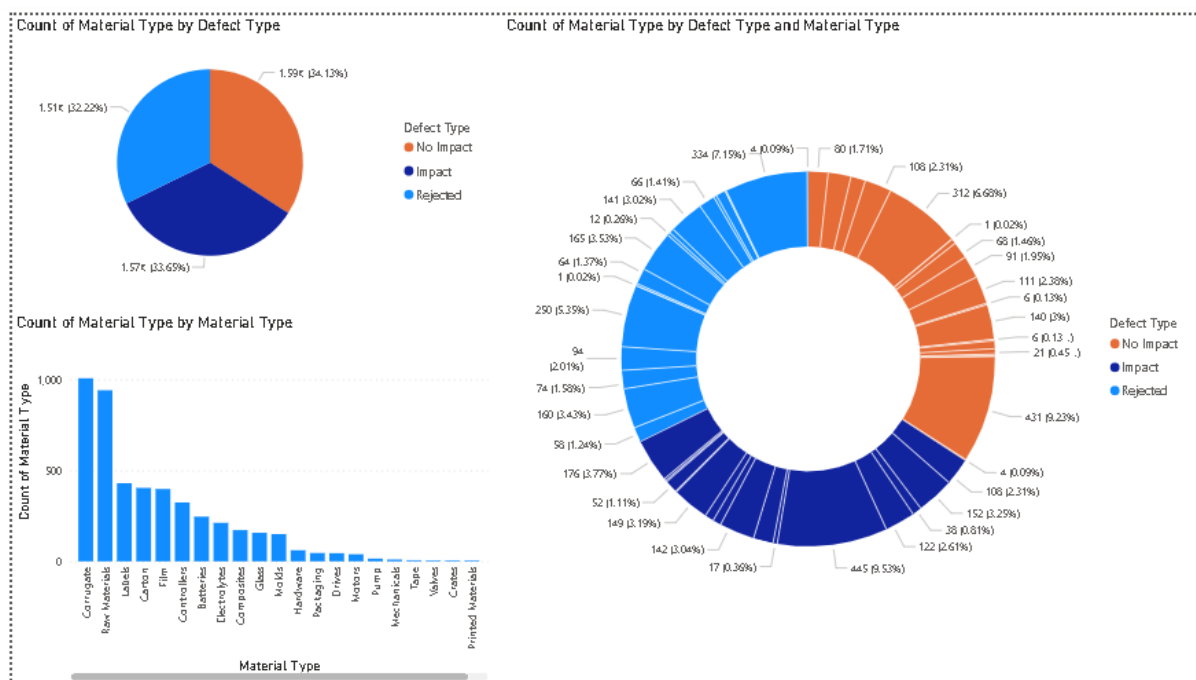
- The assignment is of 30 marks
- It is divided into 2 sessions
  - PowerBI – 20 Marks
  - Time Series – 10 Marks
- The descriptive questions need to be answered by the learners elaborately by taking some scenario or example as per the question.
- Data required is available in the LMS

POWERBI

Q1: Load **Supplier Quality Analysis Data.xlsx** in Power BI and create following visual report:-

a.   Count of items in each defect type (Pie-Chart)

b.   Count of defective items in each material type (Column Chart)

c.   Count & percentage of defective items by defect type and material type (Donut Chart)

Your report should look like this:-

TIME SERIES

Q2: Anand is working on a time series forecast and thinks that the series is not stationary. He applies ADF test and KPSS test and the tests shows. That time series is not stationary. What should Anand do next? Explain with an example.