Assignment Detail

You are required to use the dataset contained within the file “Fotune500.csv”

and then perform the following analysis:

You are required to explain what you plan on doing with the data. E.g.

1.Why did you chose the specific visualizations

2.Why did you choose specific observations for a visualization

3.how did you Engineer your Data? etc This must be detailed

in the Mark-up of the Jupyter Notebook and include the rational for your

choice.

1.Generate a plot that details the 5 top Companies by Revenue for each Decade.

Eg Top 5 for 1950-1959, 1960-1969 etc. This Must be a Single plot either static

or interactive.

Need to identify top 5 companies by revenue in each decade. Need to identify each decade, then top 5 companies and plot together in time series. https://plotly.com/python/bar-charts/

2.Plot a graph depicting the distribution of the “Revenue” in the top 20 Companies

in 1971.

Isolate 1971, identify top 20 companies, decide graph to depict distribution of revenue

<https://www.pedowitzgroup.com/data-visualization-101-for-the-revenue-marketer-what-graphs-to-use-and-when/>

interactive scatter plot?

3.Find out and visualize which Top 10 Companies profit increased the most

between 1990 and 1999 This Must be a Single plot either static or interactive.

Observe and plot the average revenue by decade This Must be a Single plot

either static or interactive.

MLO:

2. Critically evaluate visualisation approaches with respect to their suitability for different

problem areas.

(Linked to PLO 5)

3. Select appropriate data visualisation techniques for a given use case, data

characteristics and multiple transmission media.

(Linked to PLO 3, PLO 4)

4. Propose, design, develop, and implement an interactive data visualisation solution, for

a given data set, detailing the rationale for approach and visualisation techniques

choices made during development.

(Linked to PLO 4, PLO 5)

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Requirements

Explain what you plan on doing with the data. E.g. Why did you chose the

specific visualizations? Why did you choose specific observations for a

visualization, how did you Engineer your Data? etc This must be detailed in

the Mark-up of the Jupyter Notebook and include the rational for your

choice.

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