\*\*\*\*\*\*\*\*\*\*\*Descriptive Analytics\*\*\*\*\*\*\*\*\*\*\*\*

Extract data from

<https://raw.githubusercontent.com/SheepShaun/Bank-customer-churn-prediction/main/bank%20customer%20churn%20dataset.csv>

find the statistical analysis of numerical columns

find the statistical analysis of categorical columns

\*\*\*\*\*\*\*\*\*\*\*Inferential Analytics \*\*\*\*\*\*\*\*\*\*\*\*

Now using t test check the relation of all numerical column with column Exited, and print output that they are related to each other or not

Now using chi square test check the relation of all categorical column with column Exited, and print output that they are related to each other or not

\*\*\*\*\*\*\*\*\*\*\* Data Visualization\*\*\*\*\*\*\*\*\*\*\*\*\*

Show the churn rated using donut chart

Show the churn percentage of different gender using bar chart

Show the churn percentage of different customers from different Geography using horizontal bar chart

Create a histogram to show churn % for people of different Age group with a bin size =20

Create a histogram to show churn % for customers of different CreditScore

Using count plot show the churn rate of customers with Balance = 0

Show churn rate vs NumOfProducts using side by side bar chart

Show churn rate vs IsActiveMember using appropriate chart

Find all numerical co,umns of the dataset

Create a heatmap for all numerical columns of the dataset

Extract the data in following link : <https://raw.githubusercontent.com/mwaskom/seaborn-data/master/iris.csv>

Find duplicate row in the dataset and if its present........... remove it

Find the number of nulls in each columns of dataset

Show relationships between pairs of features (sepal length, sepal width, petal length, petal width) and differentiate species using color or markers.

Similar to a pairwise scatter plot but with three dimensions to explore relationships more deeply.

Create violin Plot for Petal Length by Species

Create violin Plot for Sepal Length by Species

prompt: Extract the data in following link :

<https://raw.githubusercontent.com/WuCandice/Superstore-Sales-Analysis/main/dataset/cleaned%20superstore%20dataset.csv>

Create a tree map to show proportion of subcategory

Create a line chart showing total sales vs month