Propost dealory As SAS. 2. Mathorib library:

- Nathorib repular petran library med for areating atatic animated a internal infrantischens in data analysis. It pravides a variety of plating tool, making it lay to generate graphs shoots I plat. Propost mappalle supplet as plt. 30 Known your data. Import do aborn as sns.
Import matplotlib. pyplot as pt.
to Elead data of = sns load dataset (4 Flanic) dataset contains 891 rows of 15 columns.

Contain information don't passenters who
boarded the unformate thank ship. The
oxiginal task is to product whether or not payenger durined or not. Box plot - Box plot is also known as box of wroter plot.

- A box plot is graphical troposedentation by

Approbation of dataset.

The smallest data point excluding southers - first quartile (91). 11. Prot Quartle (J)

- The median of lower half

- 25th percentile. - The modale galue of dataset - 50th powentile. - 75th potentile.

- The median of upper half of dataset. V. Maximum:
- The largest data points excluding outhers. - Box plots are rueful for Edentify the spread, central tendency & outhers. - How to Create? plt. boxplot (df) plt. title (180xplot)

PIt. Show . What is outloss?

- Outloss are the data points that are significantly afforest from rust of data are dataset. Applications.

Moualization of distribution data.

11. Dotect & anderstood outliers. Conclusion :- advanced data vicualization of mathetalist Discourse upon of the distribution objection of the content of the co

1	Community Non 10
-	EXPERIMENT NO:-10
	Download Inf placer dataset or any other dataset into a databane of their types. I list down the posteres of their types. I create a histogram for duch postures in this dataset, to illustrate portures
	111. Create boxplot for lach. Jeature un dataset
-	
	Objective e-
_	Objective e- Data Virualisation.
-	Theory:- Data Wirualization plays important sub in Jala prining warrows data desentint spent their time.
è	Spent their time.
	1. Nahorn Library
	- Soabon is python data virualisation library based on matplottib.
the re-	
	import deaborn as sns.
	· · · · · · · · · · · · · · · · · · ·

	Re Matplottlb Whoavy: Proport maplotlib.
	30 Know data.
	- The destart contains 100 read & columns. That contains slepal wilth, depal length, potal listeth.
	- let of datatypes of each features. The dripe method or attribute is used in the context or pandars numby where it refers to datatype.
	Syntax-point (offo ditypes).
	point (até outypes).
	- Hotogram i Araphial representation of distribution of distribution of particularity per
	- How to plot herogram? plt a West (detta bine= & pagecobr=>). plt title ('Histogram frample')
	pt. xlabel ('Data Nolumes')
And the second	pu o grand

To show plot?plt. hest pt. show(). Box plot :-A Boxplot also known as box - andwhister plot.

A Boxplot is graphical depresentation

Of the distribution of datest. Outliers &-- Didfors are data points that are significantly different from the next-- These points are usually high or Du Composedo Application :-1. Venalge detabution of data.
11. Detect and understand outliers Condusions-Season is advanted total violation Library built on top on motplottib * Mbary.