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Scatter plots and box plots, enables a visual	Scatter plots and box plots, enables a visual	Through techniques like histograms	1
		and box plots, enables a visual	5

EXPT. NO.	NAME  Page No.: 14  Date: 11 / 2 (2 5)  YOUVA
	understanding of the data's distribution, relationship
	and potential anomalies.
١.	Data Acquisition and Pneliminary Examination:
	pd. siead - (sv(): To imposit the dataset from a
	CSV file into a pandas Data Frame renabling
	efficient manipulation and analysis.
	data head (): To examine the first few nows
-	of the Data Frame, providing a preliminary
	understanding of its structure, data types
	and content.
2.	Descarptive Statistics and Data illeansing:
	data. describe (): To generate descriptive
	ctatichics including measures of central tendency,
	disappraison and qualities for each numperical
	seating in the dataset, providing a comp sepensive
	overview of the data's characteristics.
	data. desop (): To nemove ; enelevant columns, such
	(a) of from the DataForamo ensuring That
	the avaluació focuses on nelevant teatures and
	improving compotational efficiency.

Teacher's Signature:

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3.	Un ivacaiate Analysis: Feature - Wise Exploration:
	Ens. countplated: To visualize the distribution of frequency of categorical features like 'status' Lemployment status', providing insights into
	sus displote): To examine the distribution of
	nomenical features like 'ssc-p' (ssc percentage), identifying potential outliers, slowness and other distributional characteristics, aiding in understanding the duta's underlying patterns.
ч.	Bivarate Analysis ". Flature Relationships:
	sus. cat plat (): To visualize the nelationship between numerical features like 'ssc-p' and 'status', eneventing patterns and potential conselations. helping understand the influence of numerical features on the target variable.
	Sns. (ount plot (hue=): To explohe the relationship between cutegorical features like 'gender' and 'status', providing insights into potential dependencies and associations between cutegorical variables and the target variable.

Tanchar's Signature

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5.	Multivagriate Analysis: Feature interactions:
	sns. pain plot(): To generate a matrix of scatter plot, show casing the nelationships between numerical features like 'ss(-p', 'hs(-p') and 'degree-p', while considering the tanget various (status' an rough colour-coding, providing a deepen understanding of the interplay between features and their potential impact on the target variable.
6.	Feature Engineering and selection: Data Refinement:
	data map (): To map categorical features like 'gender and 'wanker' to nomenical values, phepaing the data from potential modeling tasks and encuring compatibility with various machine learning algorithms
	CONCLUSION:
	our FDA journey involved a systematic and technically
	rig 9100s perocess of data inspection, visualization and trans formation. Utilizing tructions, we gained valuable
	insignes into the campus placement dataset, identified
	Key features, uncovered relationships between variables
	and prepared the data for further analysis and
	model building.

Teacher's Signature: