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	DSB DA Lab
	Assignment -3
•	Title: Descriptive statistics - Measures of central tendancy of variability
•	Problem Statement!
	deto set.
()	Provide summary statistics for a doctoret with numeric variables grouped by one of the qualitative variable for example, of your categorised variable is age groups of quantitative variable is income, these provide summary statistics of income grouped by the age groups (seate a list that contains a numeric value for each response to the categorical variable.
	Write a python program to display some hasic statistics details like percentile, mean, standard deviation, etc. of the species of iris- setosa.
9.85	Learning objective! To understand the concept of statistical openation.
· ·	S/W & H/W Regularements: OS windows 10 (14 bib)
3>	Programming Lang: Python 3.9 Tupyter Notebook
<u> </u>	8 CB RAM, Intel is - 8300H, 256 GB SSD



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•	Theory:
	We have used two dutaset for this arrangement
-	Dataset 1: rby. cs v
	The set cossists of following columns
-	Datoset 2: iris. wv
	The dataset consists of following columns
3-2	The dataset consists of following columns The dataset columns The datase
	Task 1:
	Importing packages
	To load the pandes, numpy packages.
	Importing datasets
	dataret = pd. read _ UV (" "by. cv")
	Print datoiet
_	dataget head () (prints first 5 nows)
/ ne	info(): provides information about dataset.
	describe(): provides overview of numerical data.
and a same	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	shape (): it gives the no. of rows of rols. in the
	(all all landers All A
=	isnull(). shape(): it gives the jull values in date frame.
-	unique (): it gives unique values in the column.



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•	Measures of central tendancy
	Mean Represents the arithmetic average of data.
	Median: It represents the middle value of dutachat separates the distribution into halves.
	Mode: It represents the most frequent value of a variable in the data set.
4	Task 2:
	Importing dataset
	import the 1ris dataret using panday 'dataset' pd. read_cov ("iris.cov")
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	print dataset dataset head()
_	hre processing
The Forest Alexander	shape
	info()
	destribe
<u> </u>	isnull(). sum()
<u></u>	



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	Central tendancy.
	Mean:
	calculate mean of sepal Length, sepalwidth, petal Length, petal Width grouped by species that is is is setar'.
-	Median:
	(a) cylate median of sepal length, scool with pretal
	Length, petal width grouped by species.
_	Mode:
	(alculate mod of sipullength, sepal width, petal length, petal Width, grouped by aperies
•	Conclusion:
	we successfully implemented assignment using
	we successfully implemented assignment using statistical measures I understand the concept of
	descriptive statistics.
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