

LABORATORY WORK BOOK

Na	me of the	e Student HIN	TAKAR	176	1	-	D (1 A)		
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Со	urse Coo	de ACICOR Course	Name :	BWKD 1	aposatos	2 1 9	1 5 LA	0 5	65
Nai	ne of the	Course Faculty	Durgo	a Bha	vani		Faculty ID	TARE	1092
		mber :							
S. No.	Exercise Number	EXERCISE NAME			MARI	KS AWARDED			
			Aim/ Preparation	Algorithm / Procedure		Source Code Program Exe		VIVA -	Total
				Performance in the Lab		Calculations and Graphs	Results and Erro	r Voce	Total
			4	4		4	4	4	20
1	3.1	loading Data from	7 u	2	2	u	Q	a	20
		compute the bosic			-	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
2	3.2	Statistics of given		7.7		Frei.	004		
3		ط عاص		2.	-	į	to ë		é į
4	3-3	splitting a dataforum on values of variable							
5	3.4	Visualize each Atti bute							
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Signature of the Student

Signature of the Faculty

START WRITING FROM HERE

3.1 Loading data from csv sile

import Pandas as Pd

d = Pd. read. csv("nothing.csv")

Print ('First few rows of dataset is: 1)

Print (d.head())

INPUTIOUTPUT:

First few rows of dataset is:

Name Age

o Himakar 20

1 Jyotsna 21

2 Haasini 17

3 Sai 15

import numpy as np
import pandas as pd

d = Pd. read_csv ("nothing.csv")

Print ('Shape of Data Frame is! , d. shape)

Print ('Number of columns: !, len. (d. columns))

Print ('Mean of numerical columns is: ')

PL = d. Select_dtypes (include = np.number). columny

Por i in fL:

Point ('Mean of ' + j + : ', d [3]. mean())

INPUT/OUTPUT:

Shape of DataFrame is: (4,2)

Number of columns: 2

Mean of numerical columns: is:

Mean of Age: 18.25

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3.3 splitting a data frame on values of categorical variables import Pandas as Pd d = Pd. read_csv('nothing.csv') SPd = d. 9 voupby ('Age') for i, i in spd: baint (, acond : , i) Language in analythic of Print (i) ZNPUTIOUTPUT: GROUP: 15 " + 6 + " to oran" + + + or Name Age 5ai 15 Group: 17 1) in some the first of the Name Age - constitution to invitation 2 Haasini 1700 /00 insurvium to more areonb: 50 Name Age 0 Himakar 20 Group: 21 Name Age

1 Jyotsna

3.4 Visualize each attribute

import matplotlib. Puplot as PP

import pandas as Pd

d = Pd. read_csv ("nothing. csv")

for i in d. columns:

PP. figure (figsize = (8, 6))

PP. hist (d [i], bins = 20, color = 'skyblue',

edgecolor = blacky

PP. title (& Histogram of 2131)

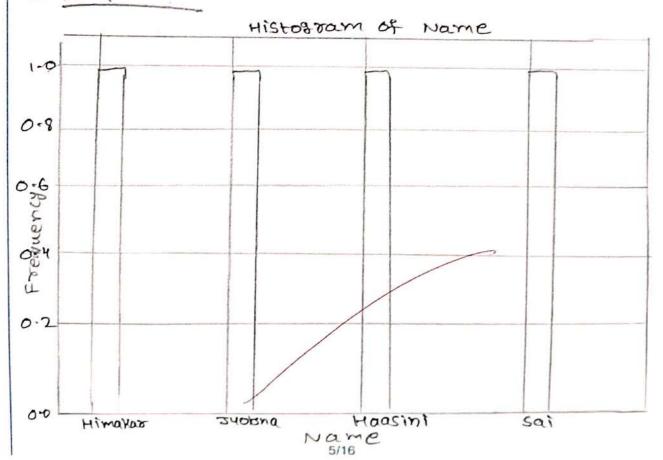
PP. Xlabel (i)

PP. Ylabel ('Freavuency')

PP. grid (Toue)

PP- Show()

INPUTIOUTPUT:



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