Expt. No. 3 Expt. Name Deta Visualization using Malphotis & Seaborn Date:	
Jui- Jo Swild Various data plot diagrams for how sice data visualization using Malphollip and Scalons ilvaries in python.	80
ROGRAM!-	
mport pandas ces pd mport malphibipyplot cas plt mport Seaborn as Sus	
lf = poloteacl_csv ('Housing·csv')	
lf·head c>	
of. Shapec)	
df. isuell ()	
df. Fugo ()	
Coet_Atter = [] Num_Attr = []	
for all in	

OUTPUT:

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onea	0
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parking	0
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furnishing Ratus	0
dtype: 64	0

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for alt in df-celemns: 16 df[att].dbype = - 'Object': Cat_Att-append(att)	
Placia Num All. append Calle)	
philut (cat_Att)	
from Skleaun-preprocessing import Label Ence	æler
LE = Label Encoder() for c in Cat-Att: db [c] = LE. fit - transform (db [c])	
df-head ()	
# Draw a Pyplot losing maspholis	
x= df ['plice'] y= df ['ovaz'] plt. plot (z,y) plt. ylabel ('ovea') plt. xlabel ('plice') plt. show()	

Page No. _ 13

Date

diagrams for house Make this and dealers delle viewsliggthe wing 16000 -4 000 12000 10000 8000 6000 4000 2000 1.2

0.6

price

0.5

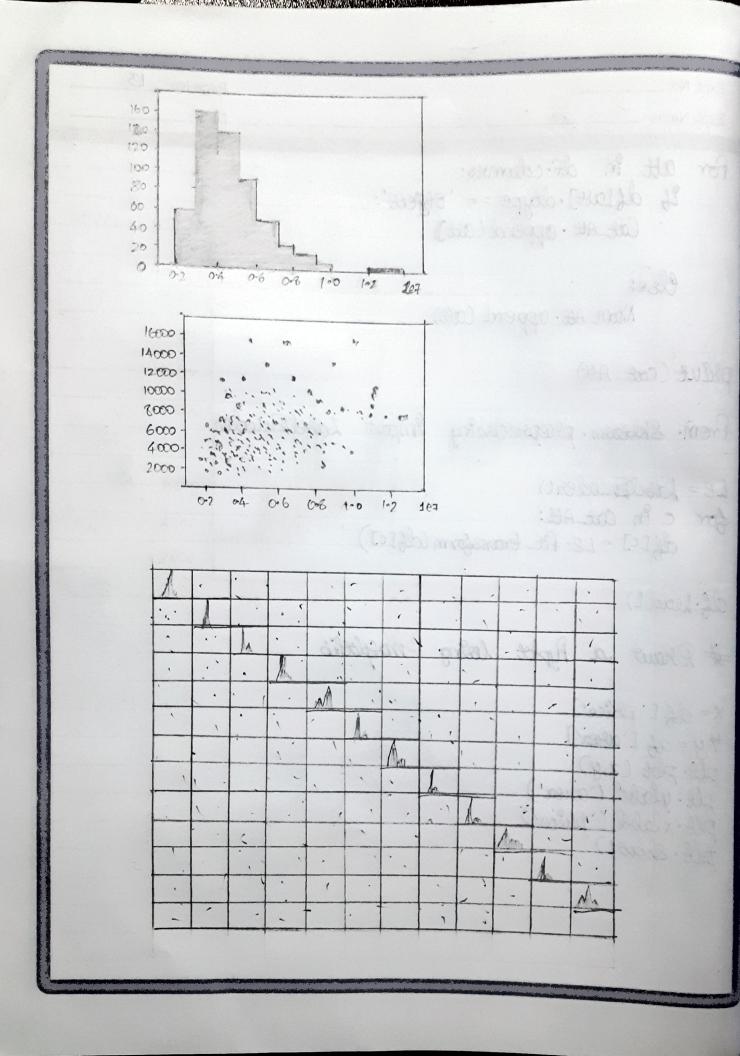
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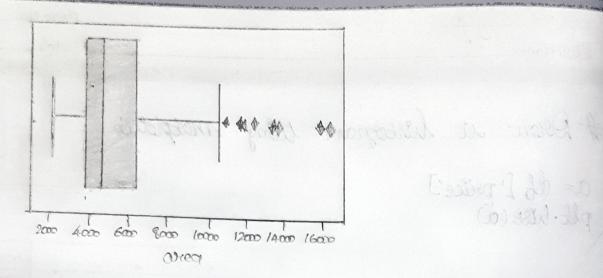
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Expt. No Expt. Name	Page No Date :	
# Draw a liestogram lesing matplottes a = df ['price'] plt. liest (a)		
# Drow or Scatter plot lessing modplottib plt. Scatter (x,y)		
# Draw a painplot lesing Sealson lib Sus. painplot (tom data = df, hue = 'price')		

THE MANAGEMENT



Expt. No Expt. Name	Page No
# Duaw a boxplot using seaborn lib	
Sus-boseplot (df ['corea'])	
# Drow a healmap lesing beaborn lib	
plt. figure (flagsige = (12,12)) Shs. heatmap (df. corr), cennot = True, lancolor = cmap = 'jet')	black, benewiath = 1,
PIEVIT! Thus we have Euclessfelly visually data using mulphalib and seaborn like	ped house price



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price -	1	0:3	0-37	0.52	042	0.3	0.26	0.19	0:0093	045	0038	0.33	-0.3
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bedreens -	0.37	0.15	1	0.37	0.41	-0012	1800	0.097	0.046	0.16	014	0.019	-0-12
buttereaus -	057	0.19	0.37	1	0.33	0.042	043	0.1	0.064	019	10-18	0.063	-0-14
Stores -	0.45	0.084	14.0	0.33	1	0.12	0.044	-017	0.019	0.29	0.046	0.044	-0.1
mairread -	0.3	0.54	0.72	0.61	0.44	1	0.77	0.81	0.001	0.61	0.79		0.04
guestrom-	073	0.15	0.19	0.21	0.02	0.1	21	0.7	0.52	0.36	0186	0.13	-0.PZ
basement -	PO:07	0.86	0.12	10.0-	0.65	0.9	0.02	1	041	80.0	STATE	0.01	-0.11
hotustorheating -	0.65	0.15	0.45	0.6	0.5	051	-001	0.63	1	0.17	-001	0.01	-0002
aircordificury -	0.73	0.29	0.36	0.45	0.4	0.9	081	0.97	0.63	1	0.91	0.2	21.0
poviking -	0.81	0.71	0.7)	可汗	100	0.7	0.65	0.86	0.01	0.6	1		-0.18
phoporea -	0.92	0.23	0.46	0.68	0.65	0.04	0.41	0123	-002	0.5	0.2	1	0.11
fundating solu-	0-414	0.29	0.92	-0.14	.0.1	-016-	-012	011	-0032	-0115	0118	-D:II	1
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	phace	8	bedrams	bothrooms	Stories	Mailmood	gustræm	bosement	B	ALE:	4	Dist	2016
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