Assi-5 Data Analytics II CSV File / Dataset - Social Network Ads. CSV Required Librariesimpost pandas as pd impost numpy as np impost matphollib as pyplot as plt impost Seabsen as sns from stream peopeocering impost standardscalar from Sicharn model selection impost teain tex split from sklasn linear model impost Logistic Regression from sklasn metric impost confusion matrix. clausification tepost accusacy score, precision score, impost wasnings. Functions Useddf = pd. Eead date CSV ("Social - Network - Ads. CSV") df. head () df. shape df. into() dt. describel. of isnull () sum() histplot = sns. histplot ()

plt. show()

Deaw histogram hor pach column

df [ column name"]. Value (counts ()

Countplot = sns. Countplot ()

Sns. heatmap ()

17 1

3X	Data properation
<del>-</del>	Pata preparation  Model building  Evaluation
	- Anduation
	Ozal Questions With Answers
0	Fecall.
	Explain Confusion Modeix with Across, Essas Easte, Recisional
->	- It Contain Actual value & Predicted Value.
	- terms included in Confusion mark Matrix de
- I	i) Telle Negative (TN) ii) Telle positive (TP)
	ii) Teue positive (TP)
	iii) take positive (FP)
	iv) False Negative (FN)
-	eg. Patient have Des Diseage with samples 165.
	Confusion mateix
	Predicted
1	165 NO Yes
- A	NO TINI [FE] 60
<u> </u>	5 100
+	
<u> </u>	
d	
	55 110
	Actual value- which are already true, it's
	Leality
	Predicted values- After some experiment toke
	took some observations a this is the prediction
	it will happed or not

Accusacy = TP+TN = 100+50 = 0.91
Total 165 Ezzos sate= 1- Acturacy OF FP+FN = 0.09 Peccision = TP

Peccision = TP 110 = 0.64 Recall = TP actual Yes 105 - 0.95