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TASK-1 IMPORT LIBRARY	
TASK-2 EXPLORATORY DATA ANALYSIS	
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TASK 73 Encode Categorical Jeature 7 The volvables are	
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TASKY - Visualize Class Imbalance a larget imposs ("ggplot") ['figure figsig'] visualizes = Classbalance (labels = ['Stayed', risualizer a show() Separate del data into feature target voctor Six quit li has longe = hs. loc[:, hs. columns!= 'quit from spleasing model- solection import train test 1- Kain, 1 - Jest, y krain, y sest = frain Jest - split (X, y, Gandonn - state = 0, testisize = 0.2, strati.

Stratify y ensures class describation is appear that of y. i.e. Eg = Y contains 29%. - 8' and 79%. - 1' then g-train to y test will hause TAGK 6 - Build Jacisson tree Consolver with Interactive consolo sone to make interactive we use a interact ng a interact hai def plot-bee (crit = ['gini', 'entropy'],
split = ['best', Landom'] depth = Intelider (min = 1 , max = 30, value = 2

Continuous - update = False): P

Aux frai

Chech code

Less - False = gab drag korke release ncl. alue Computation peroge tab apolate hage and overhead. Jene - jaise drag proge valle Jee Cassifier - eximalor = Decision Tree Classifier [Sandom-state = 0, Criterion = out, fleyer splittes = split max depth = depth, min samples split = min Split min samples loaf = min-leaf) point (Decision Fee Leaining Accuracy = 1: 3/3. format accuracy score (y sain, cellmator predict (x-train) : 3/ moteab upto 3 docimal places Jestimater product (+ train) > kyrokyroki fit beliga

