Exploratory Data Analysis Required libraries: import numpy as np import matplotlib.pyp. import meaborn as mns import meaborn as mns Available Extra Rooms in Hospital F 2.0 E 2.0 31397 31397 2.0 325 125235 8.0 Urgent Moderate 10.0 Emergency Minor 318435 318436 8.0 Trauma Minor 318437 318438 318438 rows x 18 colur Available Extra Rooms Department In Hospital 3 radictherapy 2 51-60 2 51-60 2 51-60 7.0 Trauma Extreme 7.0 Trauma Extreme 7.0 Trauma Extreme 7.0 Trauma Extreme 2 radiotherapy 2 anesthesia F 2.0 31397 E 2.0 31397 Q E 4.0 325 R F 4.0 125235 Dtype -----int64 int64 object int64 object object float64 int64 float64 object int64 object float64 object object dtypes: float6(3), intermenty users; 43,7 s MI df. dtypes dame_td fl. dtypes came_td fl. dtypes came_td fl. dtypes came_td fl. dtypes decementy fl. dtypes dypes Before Null Values checking: df.ianull().sum().sum() df.isnull() False df.describe() case_id case_id count 318438.000000 mean 1925.278847 min 1.000000 56% 159219.500000 75% 28828.750000 max 318438.000000 Hospital_code 318438.000000 18.318841 8.633755 1.000000 11.0000000 19.0000000 26.0000000 32.0000000 Bod Orada patiented Chy, Code, Patient Valors with Patient Administration, Deposit 18025.00000 316408.00000 318408.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 318428.00000 4186.00000 318428.00000 4186.00000 4786.00000 318428.00000 4786.00000 318428.00000 4786.00000 4786.00000 318428.00000 4786.00000 4786.00000 4786.00000 318428.00000 4786.00000</td City_Code_Hospital 318438.00000 4.771717 3.102535 1.000000 2.0000000 e Extra Rooms in Hospital 318438.00000 3.197627 1.168171 0.000000 2.000000 df.isnull().sun() is in Hospital Bed Grade 0.042580 0.013702 -0.059638 -0.013739 -0.045771 -0.049309 1.000000 -0.115868 -0.115868 1.000000 0.000921 0.001645 -0.000981 -0.0008915 case_id 1.000000 -0.043023 -0.011352 0.042580 0.013702 -0.004150 0.065196 spital_code -0.043023 1.000000 0.128294 -0.059638 -0.013739 0.002291 -0.015530 0.065196 -0.015530 -0.023988 -0.009681 -0.008105 0.002002 1.000000 0.001309 -0.028500 0.018184 0.096714 0.088945 0.006889 -0.012074 0.001309 0.018184 Work With Null Values : In [32]; df['Bed Grade'].fillns(df['Bed Gra In [33]: df('Bed Grade'].isnull().sun() ### Amenital | ### Am In (36): df("City_Code_Patient").isnull().sum() After Cleaning Process : Total Null Values Checking : df.isnull().sum() df.immill.emm() case_id Hompital_code Grant_code Hompital_code Homp Total Null Values : In [38]: df.isnull().sum().sum() var from in Integrals Bod Grade patients City, Code, Parkers Valuars with Patient Admission, Deposit 467.4477 (900.4600) -1448884-07 200.08.0478 -12720404 -4.50270-000 -0.061697 -0.00006 7.00006-07 200.08.0478 -0.243020 -0.48402 -0.00005 -1.19170-000 -1.34669 -0.13320 8.819028-01 -0.00005 -1.19170-000 -1.19170-000 -1.19170-000 -1.19170-000 -0.00005 -1 ...usposk 4.56 sns.beatnap(df.corr(),annot-Trr plt.title("correlation Matrix") plt.show() Bed Grade -patientid -City_Code_Patient -Visitors with Potient -Available