## import numpy as np import matplotlib.pyp: import seaborn as sns imatplotlib inline

Exploratory Data Analysis:

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Before Null Values checking:

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df.describe()

count 318438.000000
mean 159219.500000
std 91925.278847
min 1.000000
25% 79810.259000
50% 159219.500000
75% 238828.750000
max 318438.000000

max 184484.00000 32 2000000

df.ismall().sm()
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Work With Null Values :

In [36]: df("City\_Code\_Patient"].isnull().sum() After Cleaning Process: Total Null Values Checking:

Total Null Values Checking:

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despital.yes\_code

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Ctyc\_Code, Despital

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Available

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Total Null Values : In [38]: df.isnull().sum().sum()

sns.heatmap(df.corr(),annot=True

In [33]: df('Red Grade'].isnull().sum()

City\_Code\_Hospital

-0.011352

-0.128294

-1.000000

-0.045771

-0.049309

-0.000750

-0.023988

-0.018184

Hospital\_code 318438.000000 18.318841 8.633755 1.000000 11.000000 19.0000000 26.0000000

Non-Neil Count

18438 non-neil

Ward\_Type Ward\_Facility\_Code Date patientid City\_Code\_Patient Type of Severity Visitors

Ward\_Type Ward\_Facility\_Code Date patientid City\_Code\_Patient Admission of with Age A Illiness Patient

TEAM ID: PNT2022TMID30840

**318436** 318437 318438 rows x 18 columns

Available
Extra
Rooms
Department
in
Hospital

3 radiotherapy

2 anesthesia 3 gynecology

Type of Severity Visitors fid City\_Code\_Patient Admission of with Age A Illness Patient

8.0 Urgent Moderate 10.0 Emergency Minor

4.0 325 4.0 125235

 Bed Grade
 Openitural City, Code, Pulsers Visitors with Patient Admission, Deposits

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 0.813703
 -0.604181

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 -0.011888
 0.000001

 -0.15868
 1.000000
 0.007484

 -0.000211
 -0.000181
 1.000000

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 -0.008145
 0.000202

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 -0.008194
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