

REPORT

Lab7.Data Visualization in Seaborn

In this lab we have practiced how to - Visualize Statistical Relationships using Scatter plot, replot, Hue plot, Line plot - Plot Categorical Data using Jitter plot, swarm plot, violin plot, box plot, point plot - Visualize the distribution of dataset using Histogram, Hex plot, KDE plot, Boxen plot - perform Pairwise correlation using Heatmap - Understand Multiple bivariate relationships using Pair plot

First import necessary modules such as pandas, seaborn, matplotlib, warnings then load “train_upvote_mini.csv” and find its size, dtype, unique

Plot replot graphs between features with different kind

Load another dataset “train_hr_mini.csv” then visualize Categorical graphs of jitter, swarm, violin, box, point kind.

Visualized univariate distribution plot such as histogram, KDE plot and bivariate distribution plot such as joint plot, Hex plot

Understand correlation between features by using Heatmap & understand multiple bivariate relationship using pair plot