

## DSBDAL

1 ssignment - 08

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Batch L1

Roll no : 31126

Title: Data Visualization - I
Problem Statement
1. Use the inbuilt dataset 'titanic'. The dataset
contains information about the presence is
and the Uniter tunate Titanic Ship. Use
seaborn library to see if we can find any patterns in the data.
2. Invite a code to check how the price of the ticket (column name fare) for each
passenger is distributed by plotting a histogram.
Learning Objectives:  To understand various visualization techniques using seaborn python library  To apply appropriate plotting techniques to visualize numeric data types (ie 'Fare')  Describe the observations made by using each plot/graph
Learning Outcomes:
- Students will be able to:  - Perform basic visualisations using appropriate graphs:
- make observation on the Fare of the ticket in the dataset using plots



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A.A.	Plots used in Analysis:
	O Displot: It is used basically for univariant set of observations and visualizes it through
	a histogram.
	Djointplot: Draw a plot of two vanishles with bixaniate
	and univariate graphs. It basically combines different
	@ Pairplot: It represents pairwise relation across
	the entire dataframe. It basically creates
	a join plot between every possible numerical columns in dataframe.
	@ Rugplot: It plots data points in an array as
	sticks on an axis. It takes in a single
	column attribute. Instead of drawing
	histogram, it creates dashes all across
	the plot.
	Observations:
	- The displot() indicates that most of ticket fores were below 200
	- The modal fare for passengers was
	around 5-15.
	- The majority of passengers between the age
	of 20-30 have paid a fair less than 15
	· Average age of passengers is between 20-4
	Conclusion:
	Thus, we have successfully applied various visuali
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