

# Exploratory Data Analysis Report

## Introduction

This report presents an exploratory data analysis (EDA) of the dataset. The EDA aims to analyze the structure of the dataset, identify patterns, and gain insights into the relationships between variables.

## Dataset Summary

The dataset contains information about...

## Sample of Dataset

Unnamed: 0	YearsExperience	Salary
0	1.2	39344.0
1	1.4	46206.0
2	1.6	37732.0
3	2.1	43526.0
4	2.3	39892.0
5	3.0	56643.0
6	3.1	60151.0
7	3.3	54446.0
8	3.3	64446.0
9	3.8	57190.0

## Summary Statistics

	count	mean	std	min	25%	50%	
Unnamed: 0	30.00	14.50	8.80	0.00	7.25	14.50	23
YearsExperience	30.00	5.41	2.84	1.20	3.30	4.80	7
Salary	30.00	76004.00	27414.43	37732.00	56721.75	65238.00	10

## Missing Values

	0
Unnamed: 0	0
YearsExperience	0
Salary	0

**Variable: Unnamed: 0**

Type: int64

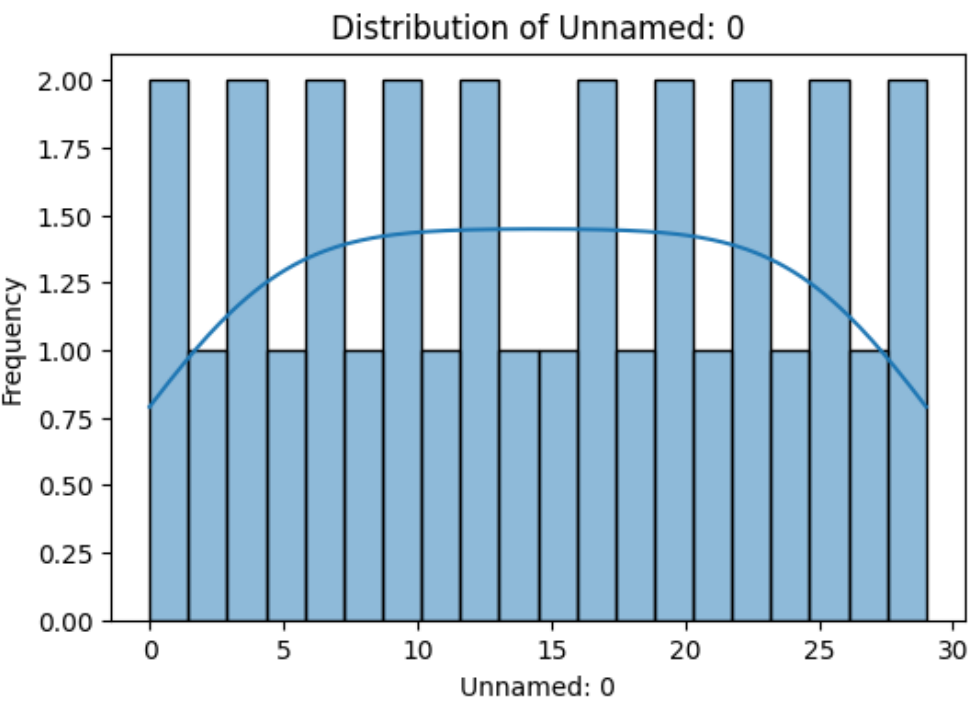
Number of Unique Values: 30

Missing Values: 0

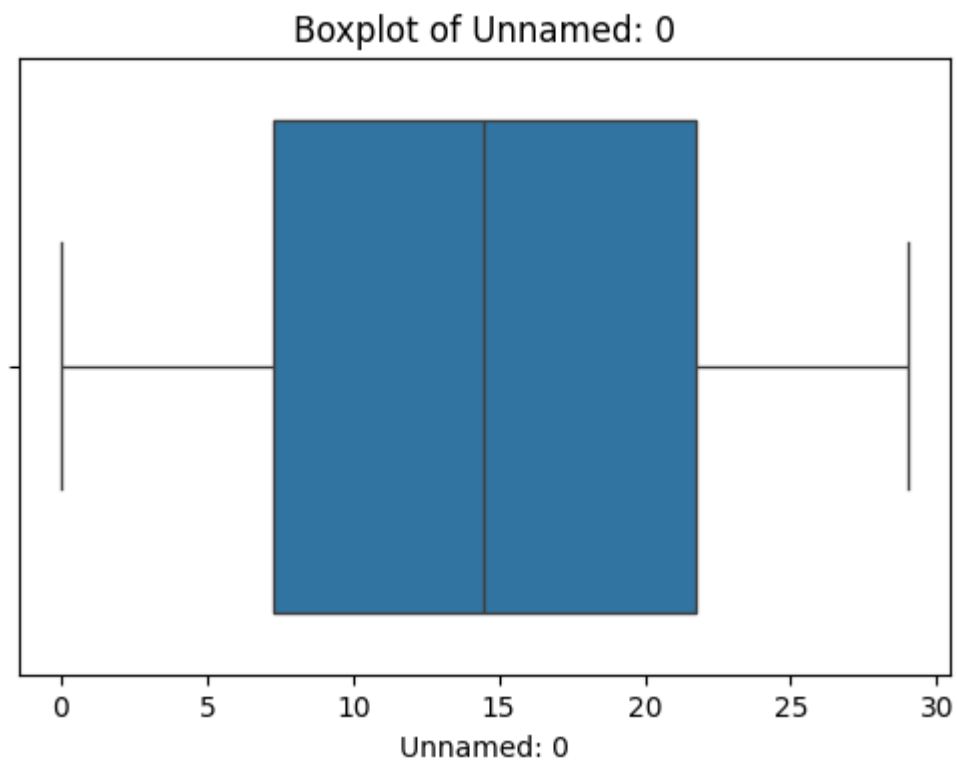
Sample Values: 2 2 10 10 28 28 23 23 18 18 Name: Unnamed: 0, dtype: int64

**Summary Statistics**

	Unnamed: 0
count	30.00
mean	14.50
std	8.80
min	0.00
25%	7.25
50%	14.50
75%	21.75
max	29.00



Skewness: 0.0



### Variable: YearsExperience

Type: float64

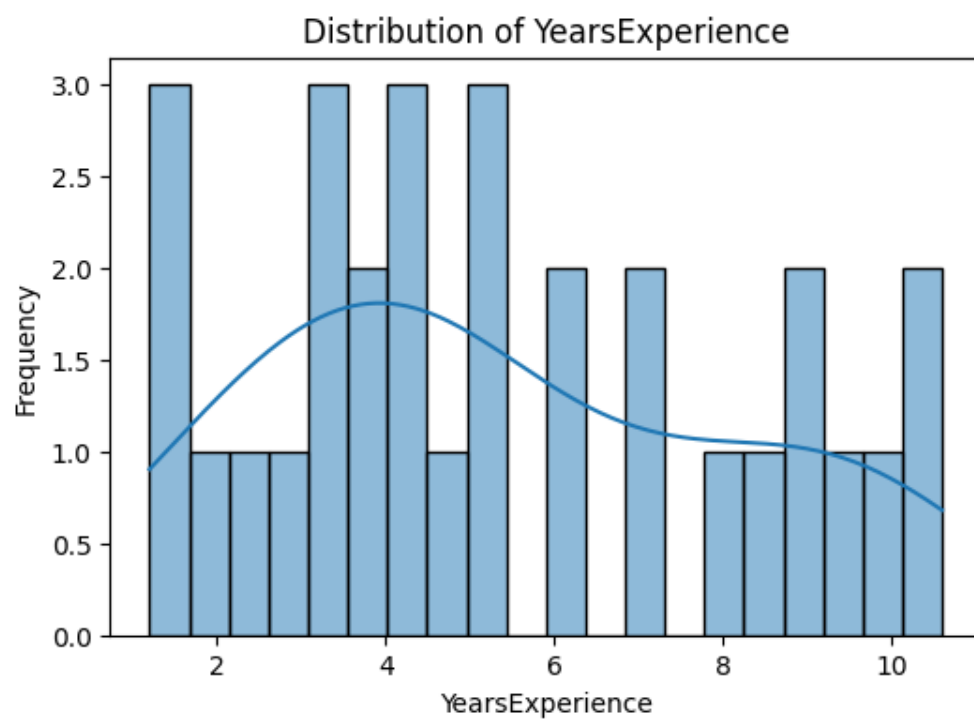
Number of Unique Values: 28

Missing Values: 0

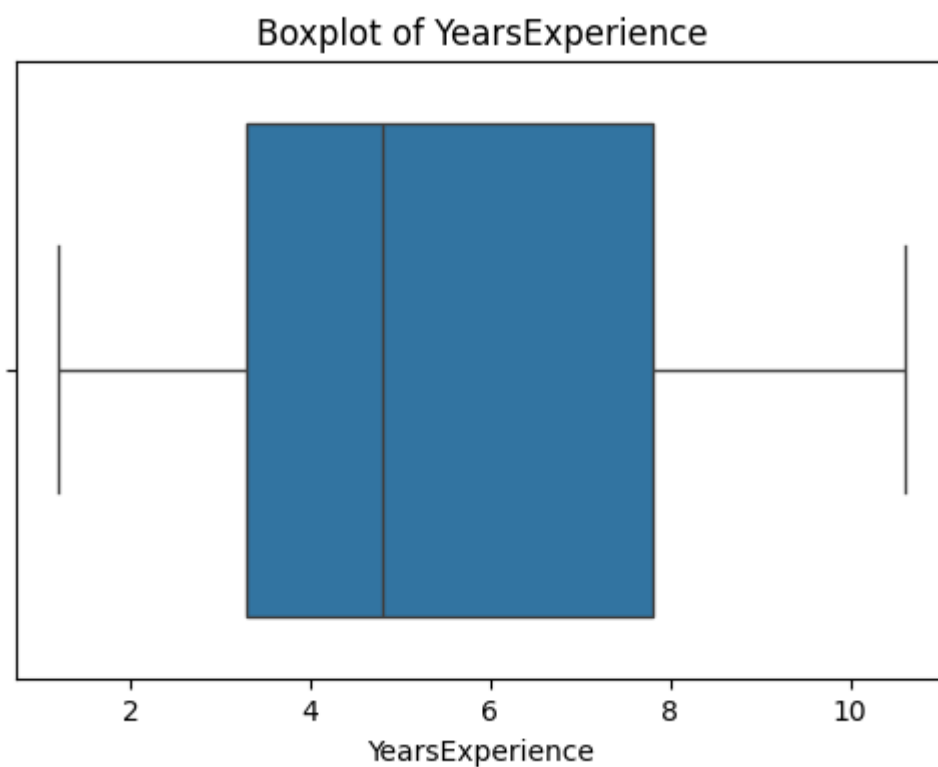
Sample Values: 0 1.2 29 10.6 14 4.6 21 7.2 18 6.0 Name: YearsExperience, dtype: float64

### Summary Statistics

	YearsExperience
count	30.00
mean	5.41
std	2.84
min	1.20
25%	3.30
50%	4.80
75%	7.80
max	10.60



Skewness: 0.36031232525255724



## Variable: Salary

Type: float64

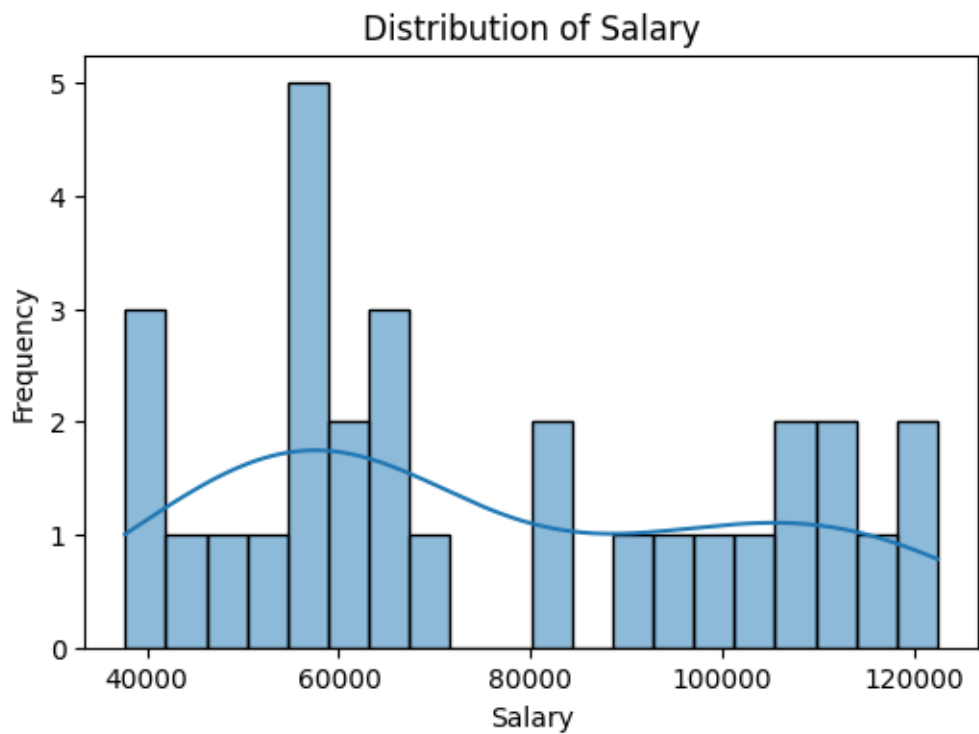
Number of Unique Values: 30

Missing Values: 0

Sample Values: 11 55795.0 5 56643.0 1 46206.0 16 66030.0 9 57190.0 Name: Salary, dtype: float64

Summary Statistics

Salary	
count	30.00
mean	76004.00
std	27414.43
min	37732.00
25%	56721.75
50%	65238.00
75%	100545.75
max	122392.00



Skewness: 0.3361618825592921

