




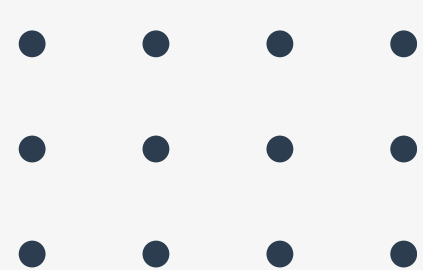
# Software Professional Salaries 2022





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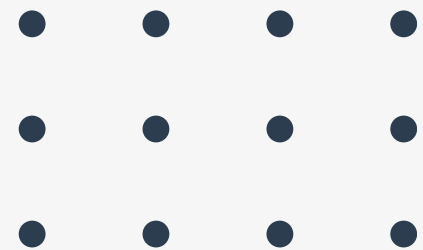
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# Introduction

**This analysis uses a dataset from Kaggle to investigate how company ratings and salaries for Android developers vary across different locations in India.**





# “ Descriptive Statistics

## Key Descriptive Statistics:

- **Salary:**

- **Mean: ₹695,360.6**
- **Median: ₹500,000**
- **Standard Deviation: ₹884,306.9**

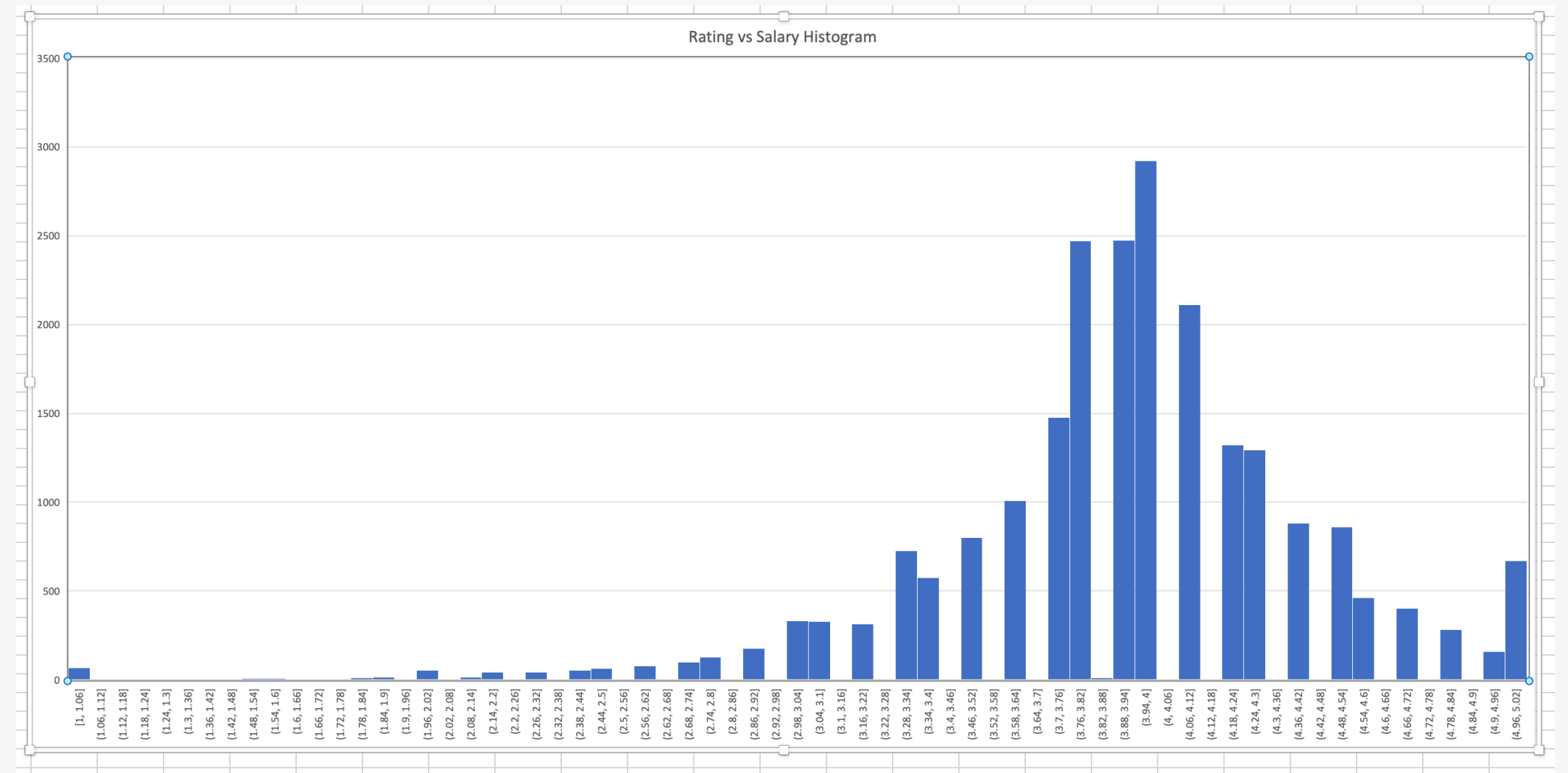
- **Rating:**

- **Mean: 3.918249**
- **Median: 3.9**
- **Standard Deviation: .3519669**

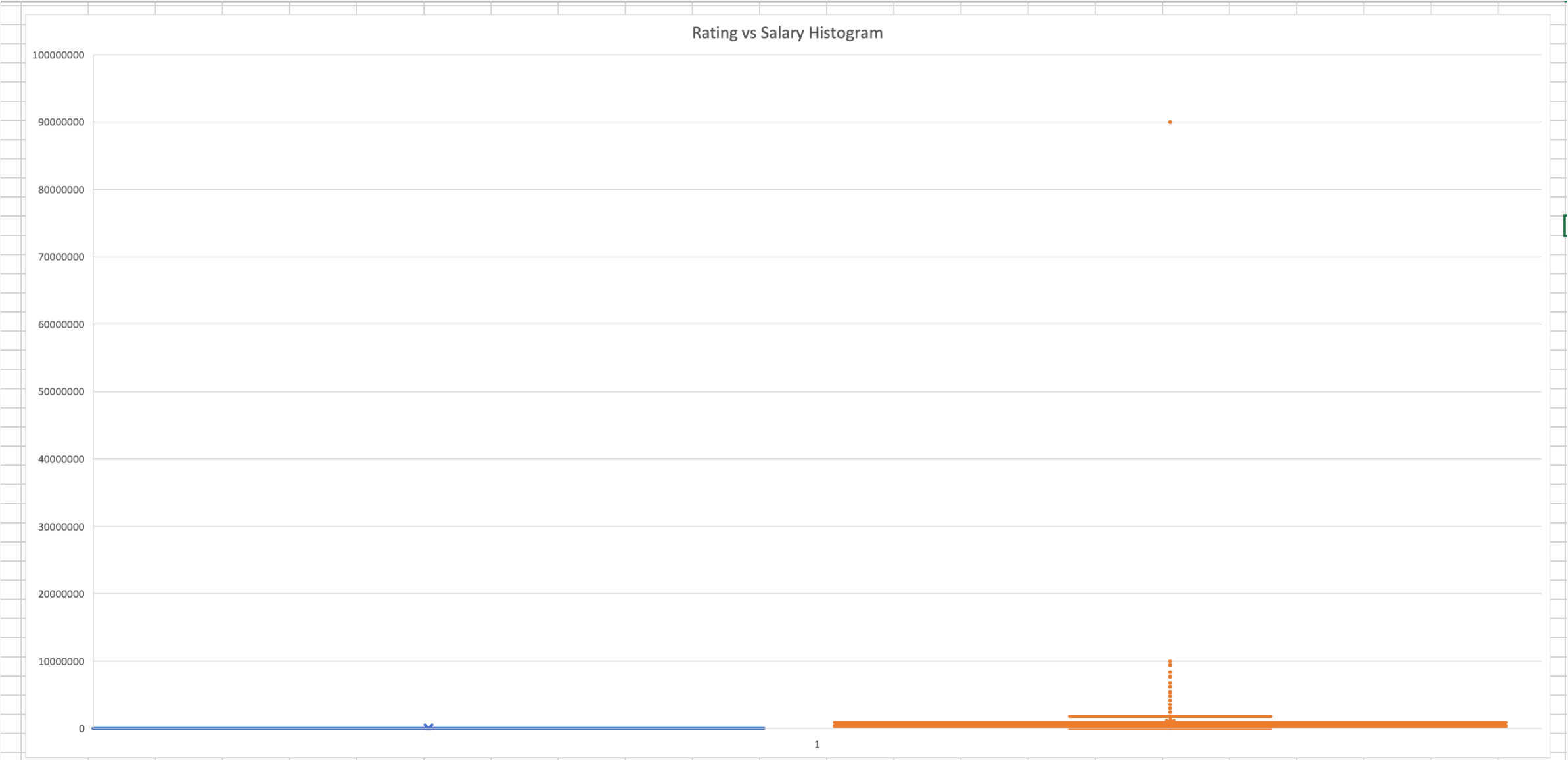


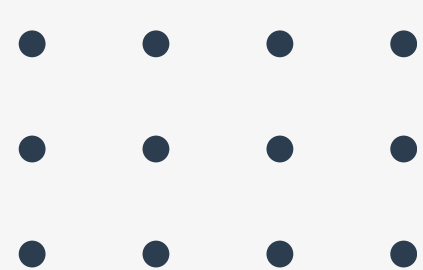
# Histogram of Salaries

The histogram shows most software professionals earn around ₹500,000 annually, with some outliers making much more. This suggests salaries are skewed towards higher incomes.



# Boxplot





# “ Relationship Between Variables

## Variables Analyzed:

- **Rating and Salary:** This relationship was chosen to understand if higher-rated companies pay more.

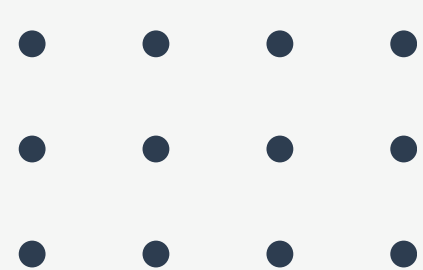
## Correlation Analysis:

- **Rating vs salary correlation coefficient :- 0.025444**



[illegible]



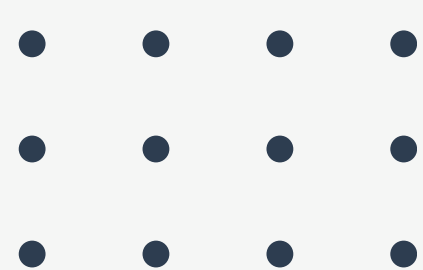


# “ Advanced Statistical Techniques

- **Company Rating vs. Salary**

- • A regression analysis was performed to explore the relationship between company ratings and salaries.
- • The equation  $\text{Salary} = 43298.5$
- •  $(\text{Rating}) + 525706.3$  was derived, suggesting a salary increase of ₹43,298.5 for each unit increase in company rating.
- • However, the weak correlation indicates this relationship is not statistically significant.
- • The intercept of ₹525,706.3 represents the predicted salary when the company rating is zero.
- • Overall, the findings suggest a weak link between company ratings and salaries in this dataset.





# “ Conclusion and Recommendations

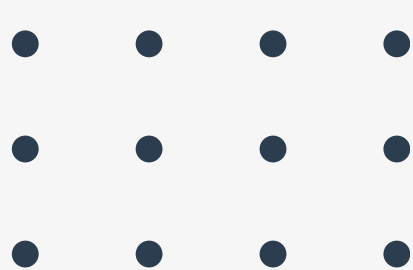
## Conclusions:

- Company ratings do not significantly influence the salaries of Android Developers across different locations in India.
- Salary distribution is relatively consistent, with most professionals earning around the median salary.

## Recommendations:

- Professionals should not rely solely on company ratings when evaluating potential employers for salary expectations.
- Further analysis could explore additional factors influencing salary, such as specific skills, company size, and industry sector.





Thank you!

