



GOEL INSTITUTE OF TECHNOLOGY & MANAGEMENT LUCKNOW

Regression Analysis Using Emerging POWER BI

PROJECT BY

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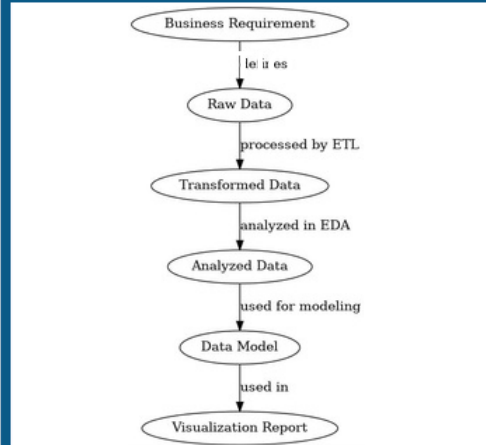
PROJECT GUIDE

Mrs. Namita Srivastava

INTRODUCTION

- Comprehensive data analysis using regression (linear regression) technique for outlier treatment to find data accuracy.
- Advance analytics on data using Power BI.
- Advance analytics on data using Power BI.

ER DAIGRAM



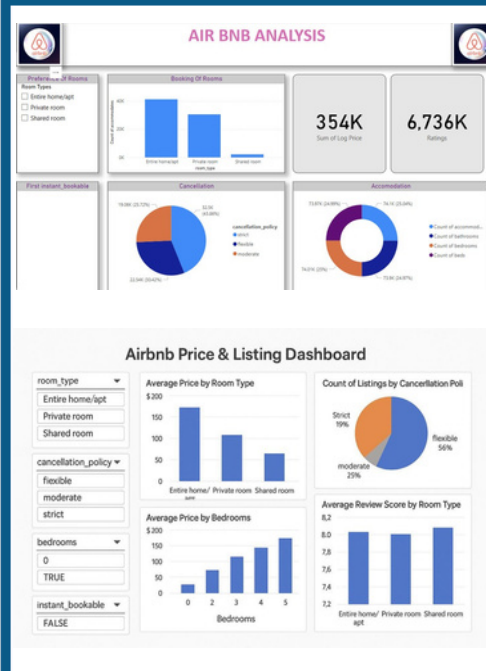
LIMITATION

- Only usable for quantitative data, not implementable for qualitative data.
- Manual formatting according to need.

OBJECTIVE

- Advance analytics on data using Power BI.
- Comparing accuracy with outlier replacement with mean, median, and knn.
- Comparing accuracy with outlier replacement with mean median, and knn.

SCREENSHOTS



FUTURE GOAL

- Helpful for future decision making and business Analytics.
- Useful for Advance Data analytics and model training.
- Allow more flexibility in embedding pbsiower BI into custome app and we
- use to Train Data for Regression Testing.
- Advance analytics and data visualization data using Power BI.

METHODOLOGY

- First we take dataset of xlsx format of Airbnb hotel.
- Now we read file using jupyter notebook.
- Do various analytics tasks using pandas and numpy.
- Implementing knn algorithm for regression analysis.

ADVANTAGE

- Implementing knn algorithm for regression analysis.
- Use for easy Understanding
- Comparison on various factors

REFERENCE

- <https://ebooks.iospress.nl/doi/10.3233/APC210185>
- <https://doi.org/10.3233/APC210185>
- <https://doi.org/10.3390/joitmc7040221>
- <https://doi.org/10.3390/info10070226>
- <https://doi.org/10.1007/s10796-016-9720-4>