Advertisement dataset Analysis

1. How is the advertisement sales data distributed? What are the summary statistics, such as mean, median, minimum, maximum, and standard deviation?
2. Are there any trends or patterns in advertisement sales over time? Can you identify any seasonality or cyclicality in the data?
3. Is there a relationship between advertisement sales and other variables, such as advertising expenditure, time of the year, or demographic factors? Can you quantify the strength and direction of these relationships?
4. Are there any outliers or anomalies in the advertisement sales data? How do they impact the overall analysis and predictions?
5. Can you identify any significant changes or shifts in advertisement sales? What factors might have contributed to these changes?
6. Are there any correlations between different advertising channels (e.g., TV, radio, online)? Do certain channels have a stronger impact on sales compared to others?
7. Can you segment the data based on different demographic or market segments? Are there any differences in advertisement sales across these segments?
8. What is the overall trend in advertisement sales? Is it increasing, decreasing, or relatively stable? Can you quantify the growth rate or rate of change?
9. Can you build a predictive model to forecast future advertisement sales based on historical data? Which variables are the most important predictors in the model?
10. How accurate is your sales prediction model? Can you evaluate its performance using appropriate metrics such as mean squared error, mean absolute error, or R-squared?