678 final

Yingmai Chen

I.abstract

II.introduction

III.method

EDA

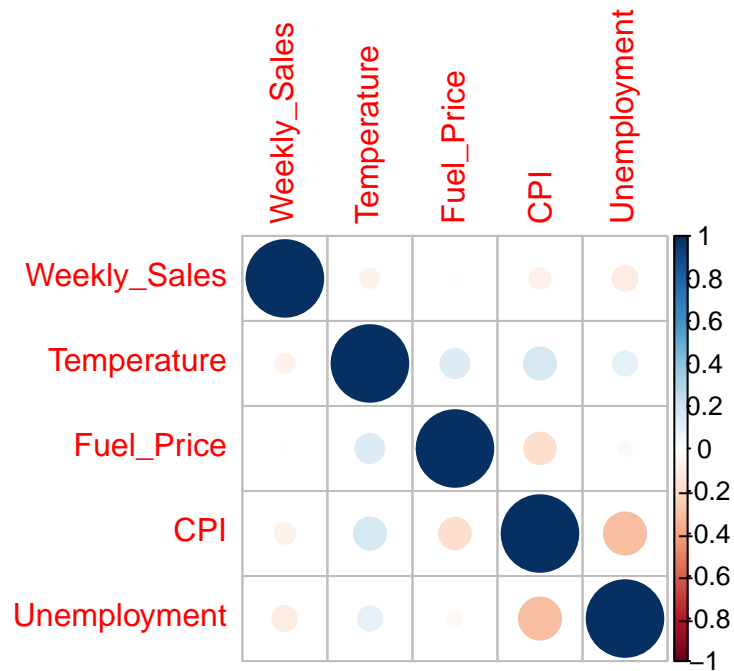**Distribution of Weekly Sales**
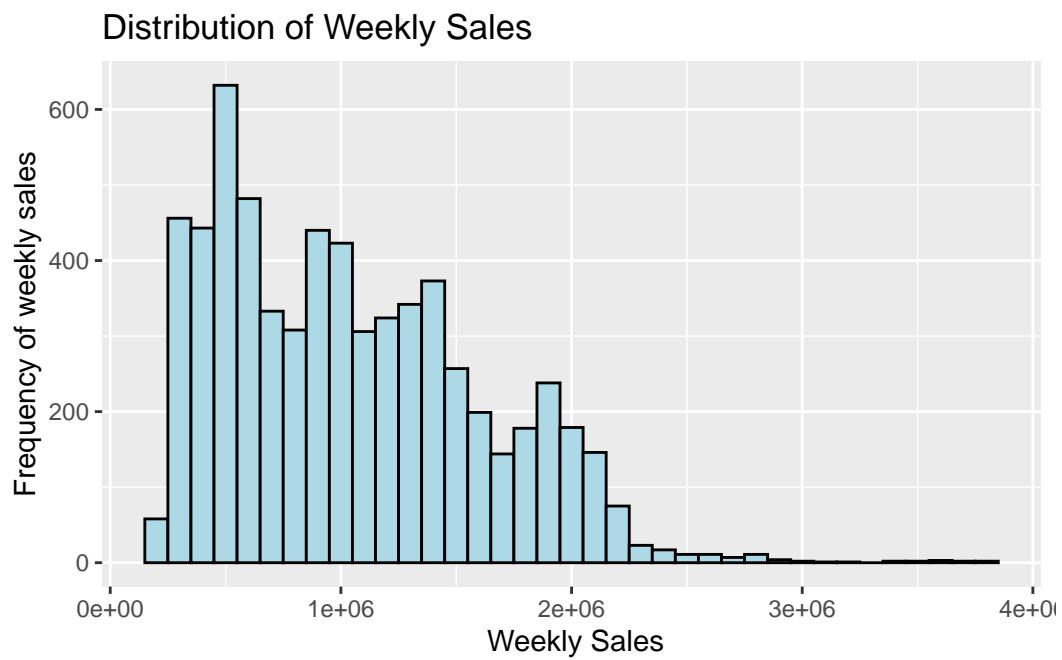
From this plot,we can see that there are fewer weeks with very high sales compared to weeks with low sales.This is typical for sales data where a small number of periods (like holiday seasons) might have exceptionally high sales.

Null model

complete pooling model

No pooling model

generalized linear Model

IV.result

V.discussion

VI.appendix