



IE224.P11.CNCL

# Điền khuyết dữ liệu với MEAN, MEDIAN, MODE

Giảng viên hướng dẫn : ThS. Phạm Thế Sơn

Được thực hiện bởi

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Trần Tuyết Minh  
Nguyễn Tấn Dũng  
Nguyễn Minh Duy

21521144  
21521977  
21522005



# NỘI DUNG TRÌNH BÀY

I Code điền khuyết dữ liệu

II Thống kê dữ liệu

III Dữ liệu Price - dữ liệu lệch phải

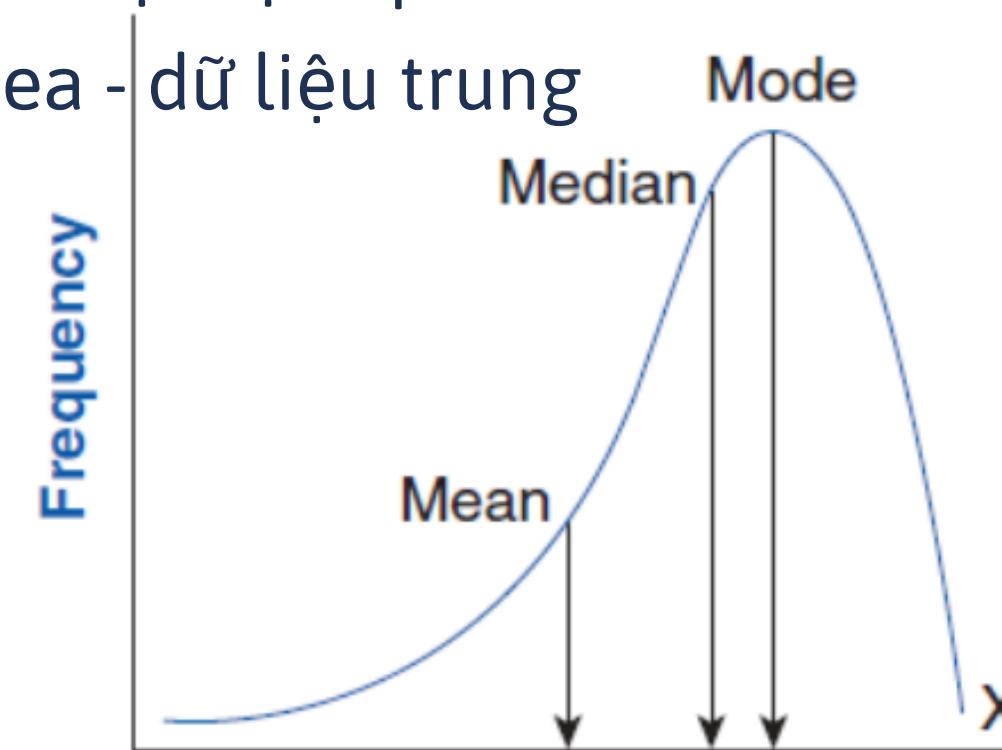
Biến Bulding Area - dữ liệu trung

vị

V Mode

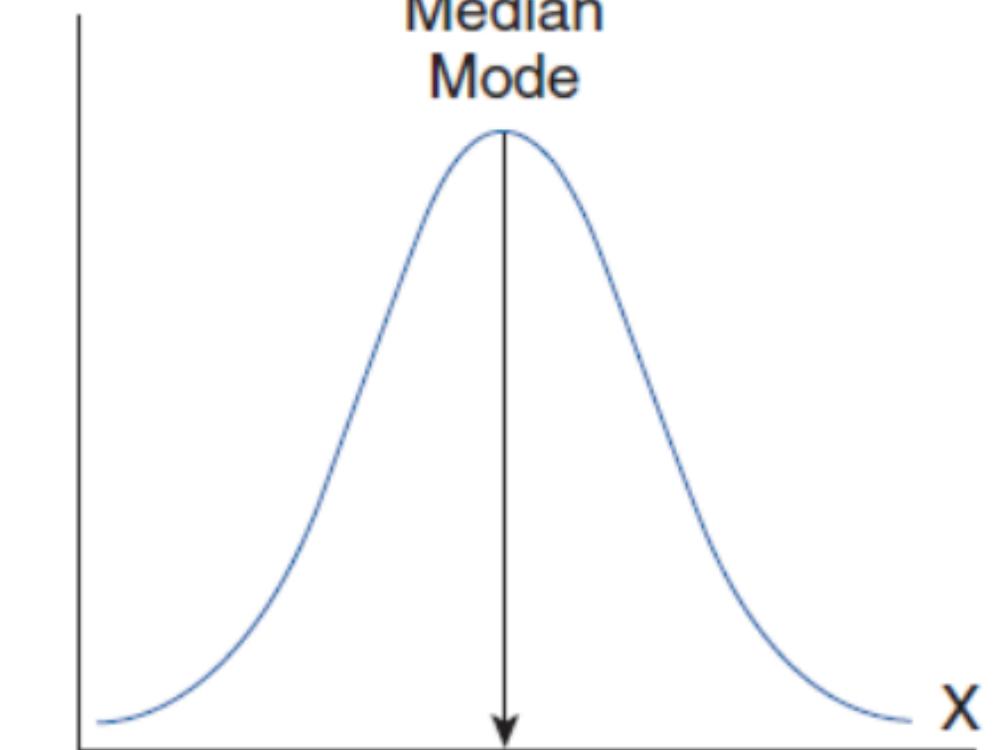
VI Demo

(a) Negatively skewed



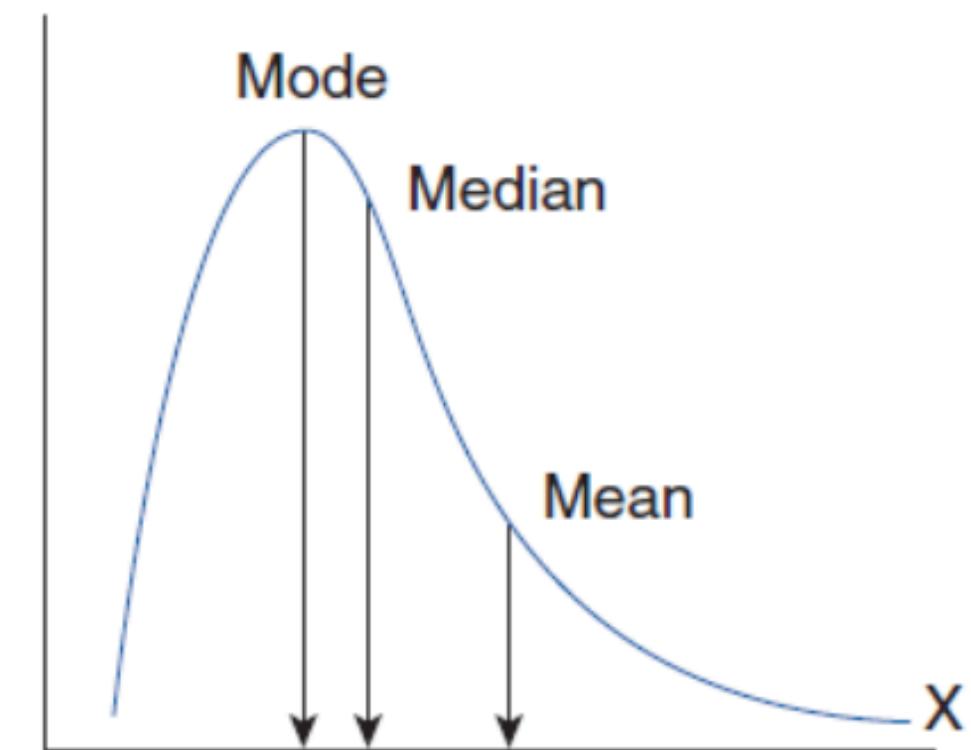
Negative direction

(b) Normal (no skew)

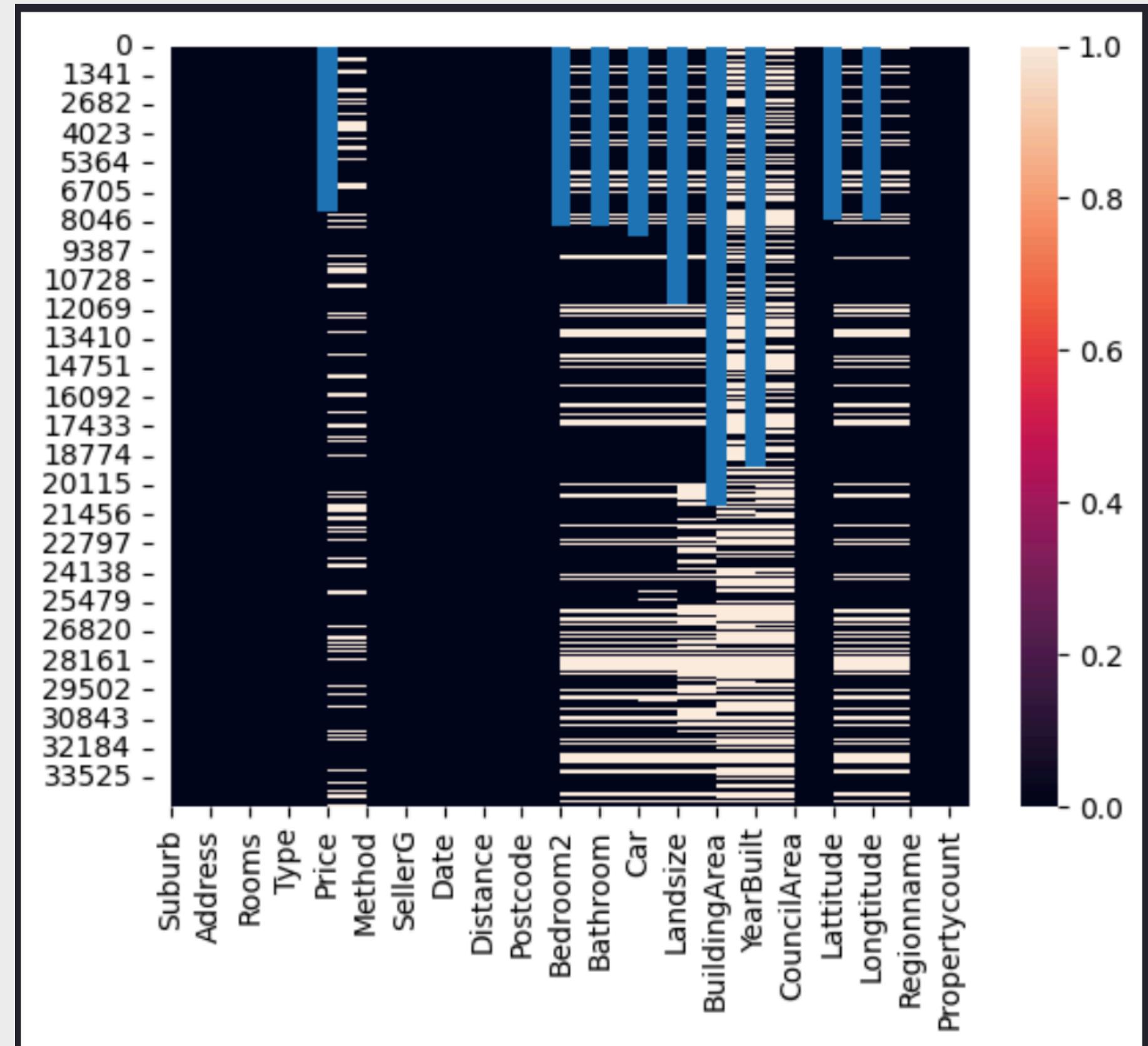


The normal curve  
represents a perfectly  
symmetrical distribution

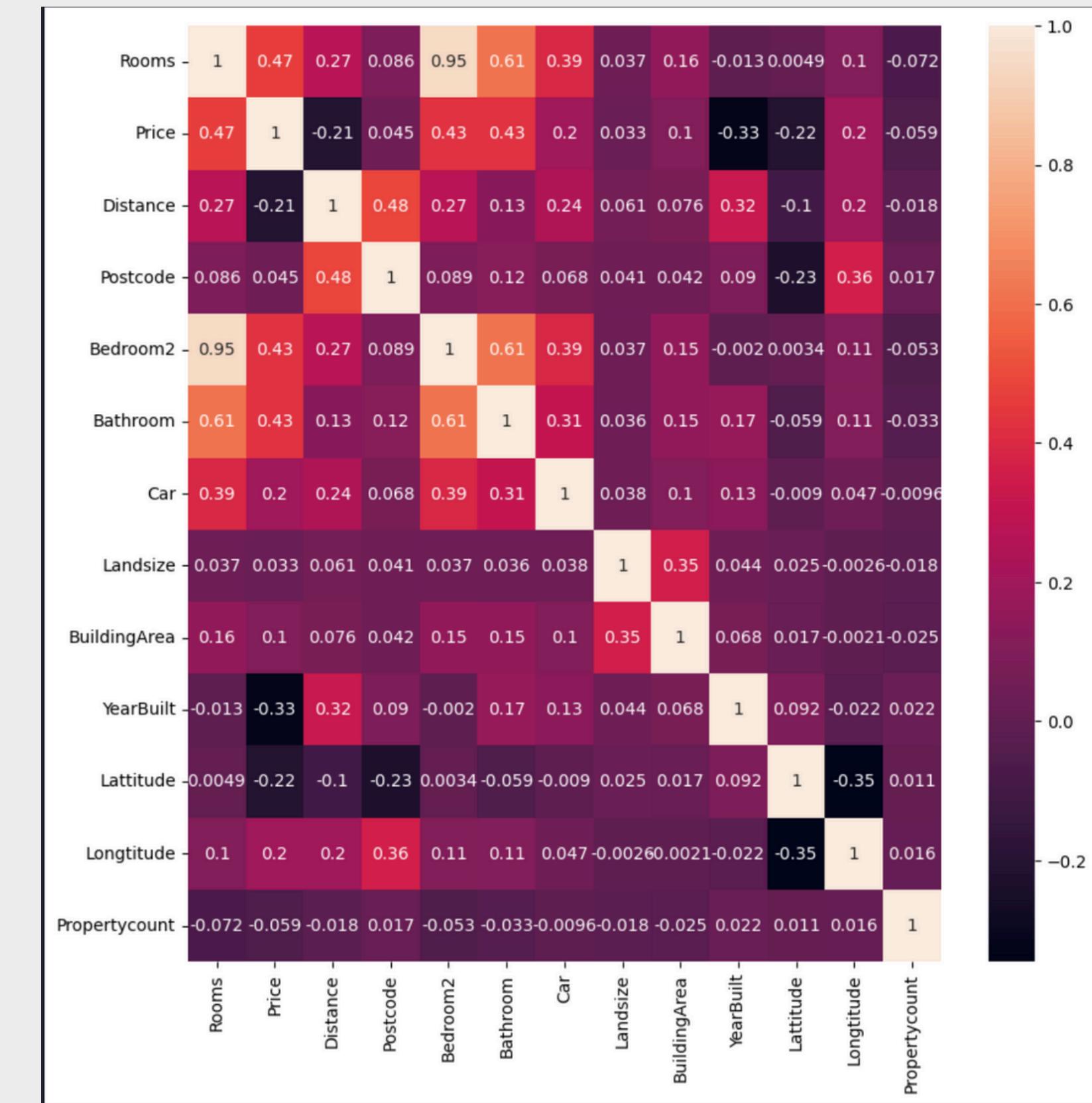
(c) Positively skewed



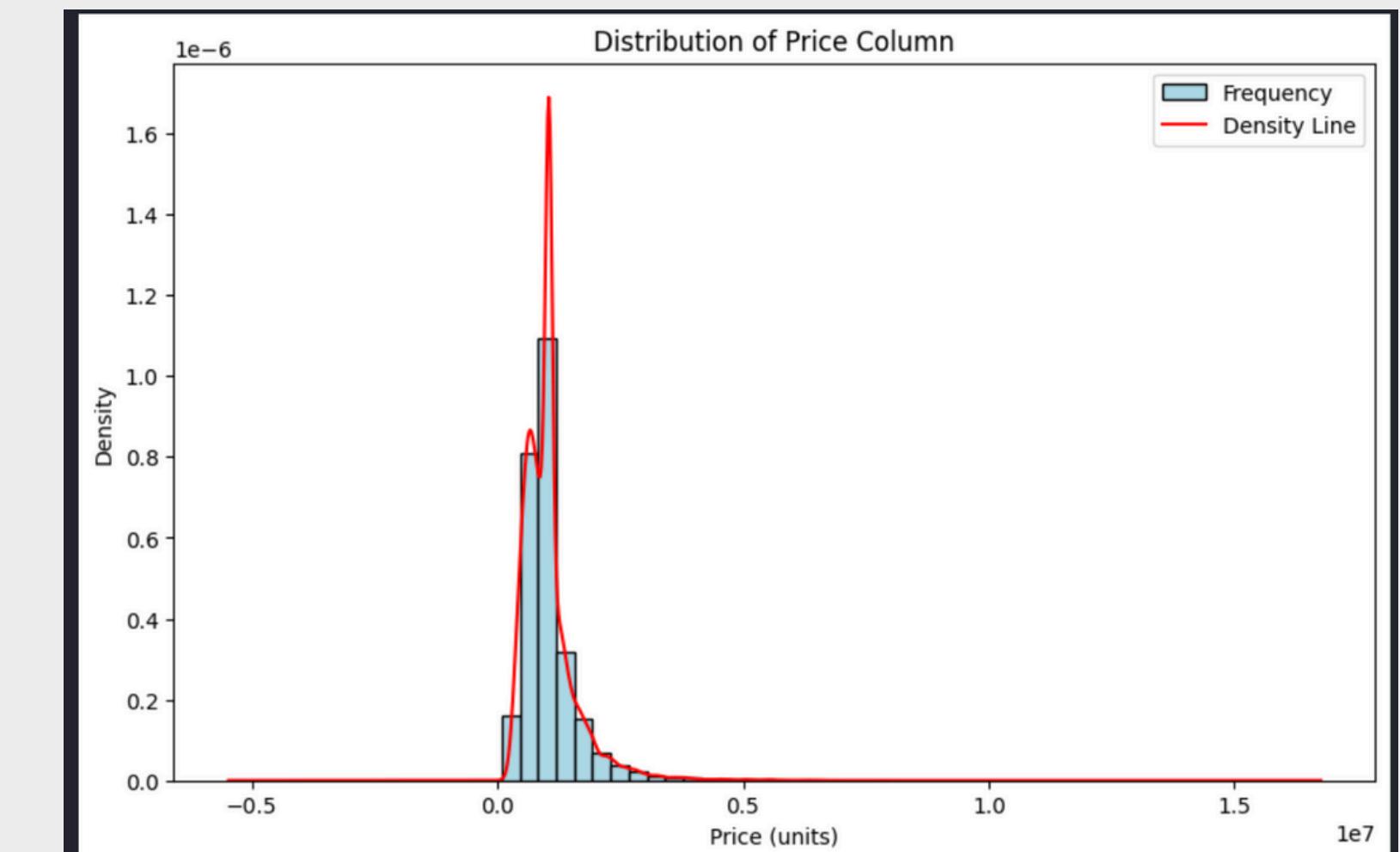
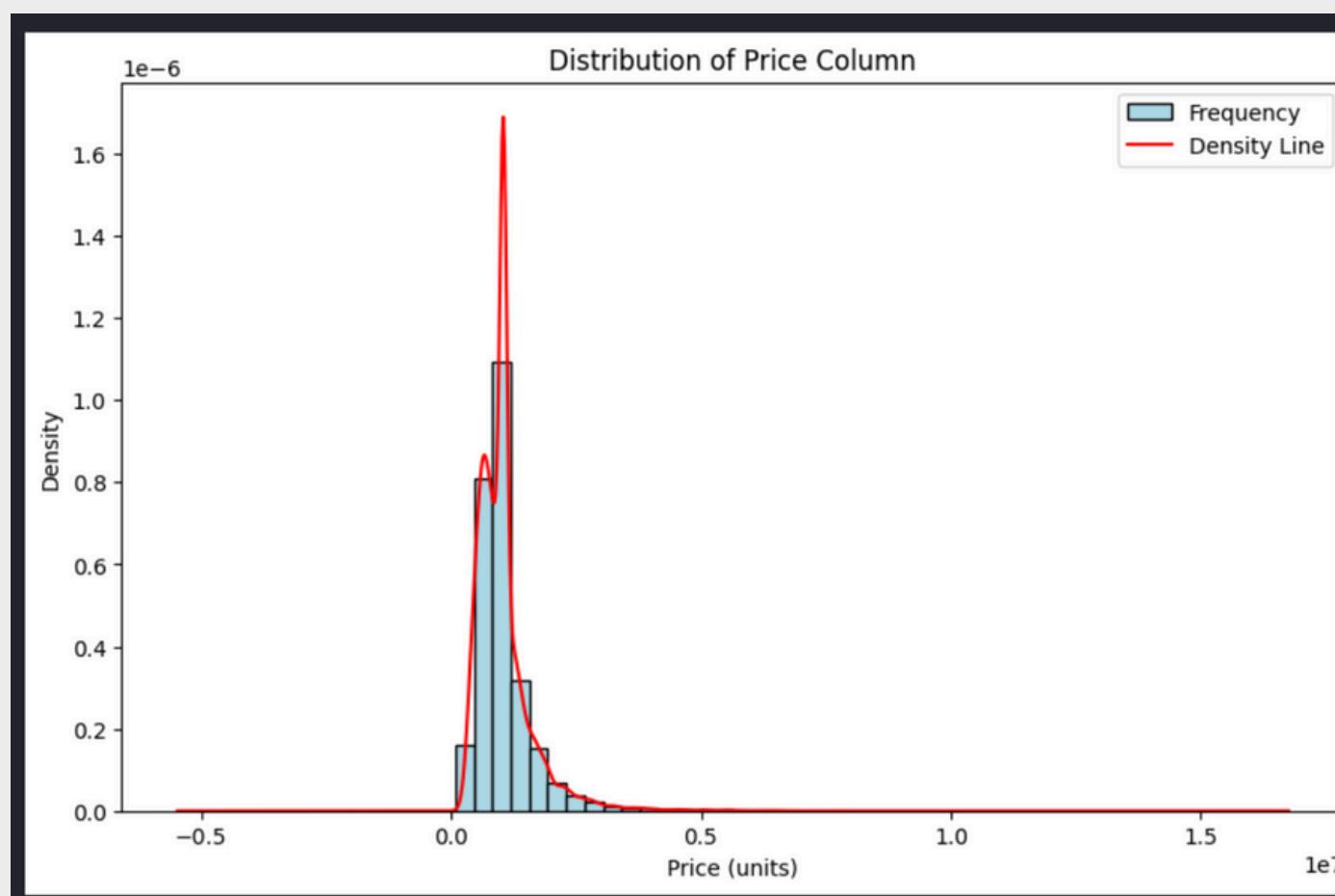
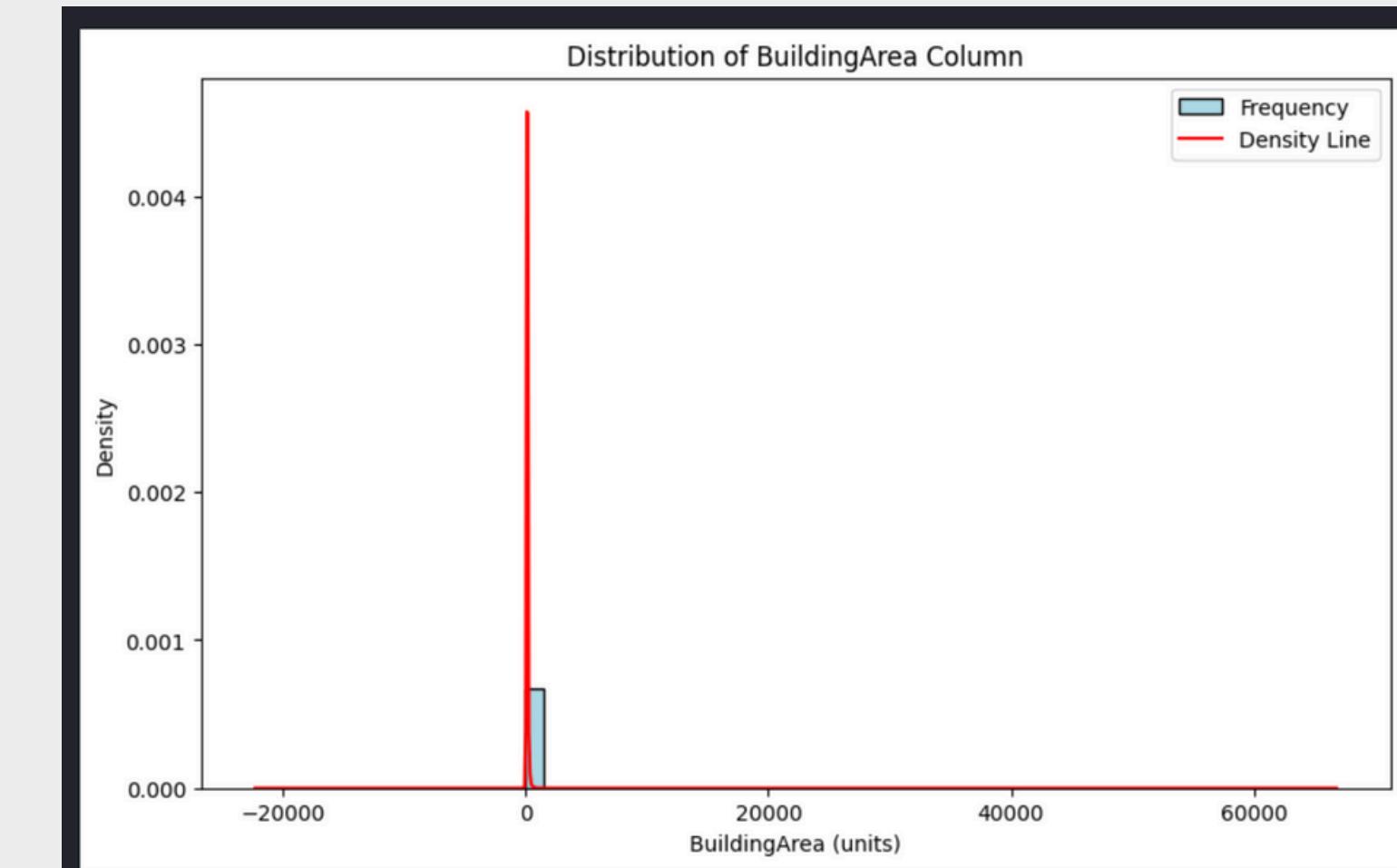
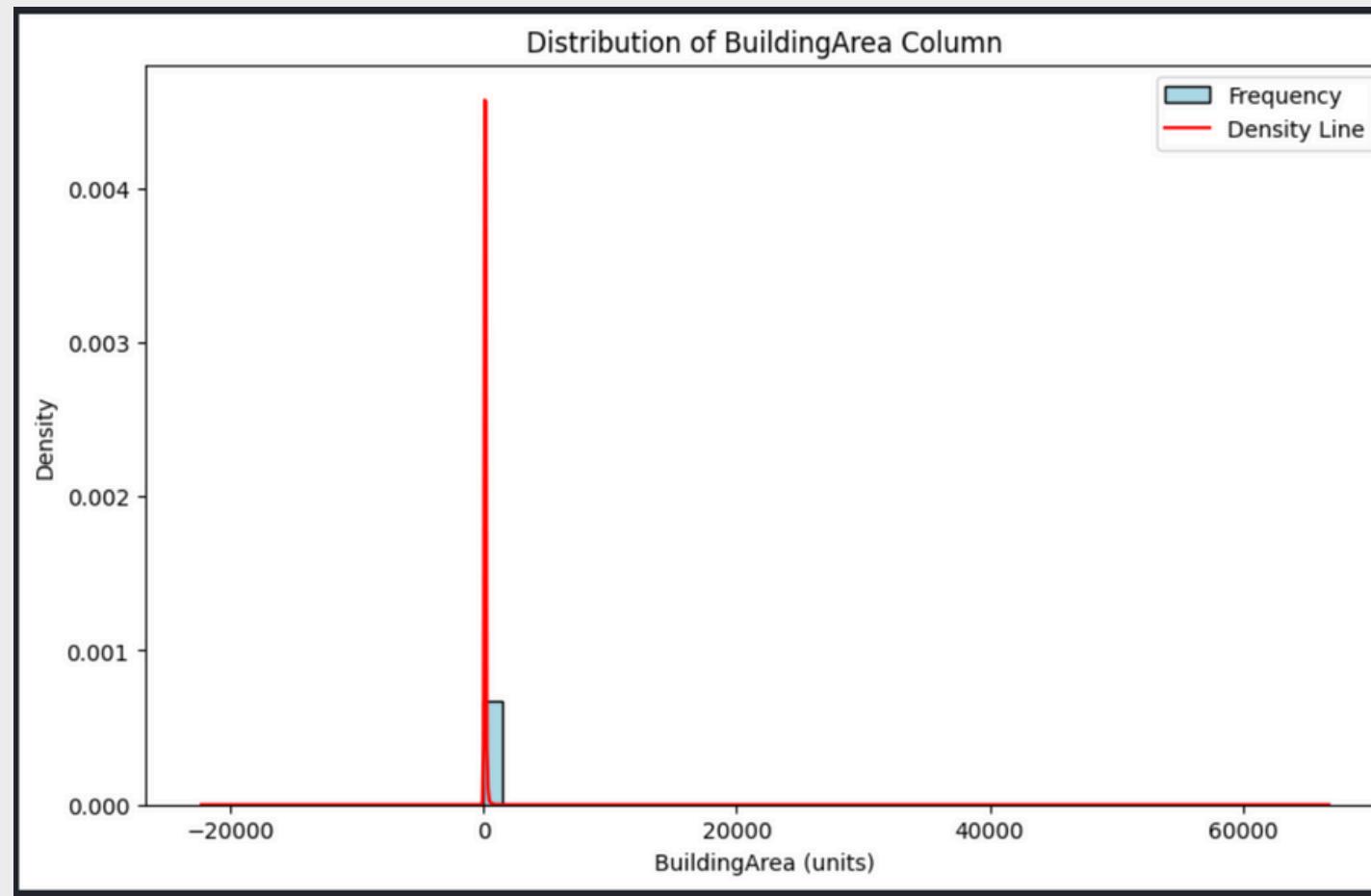
Positive direction



Vẽ biểu đồ heatmap cho các giá trị null

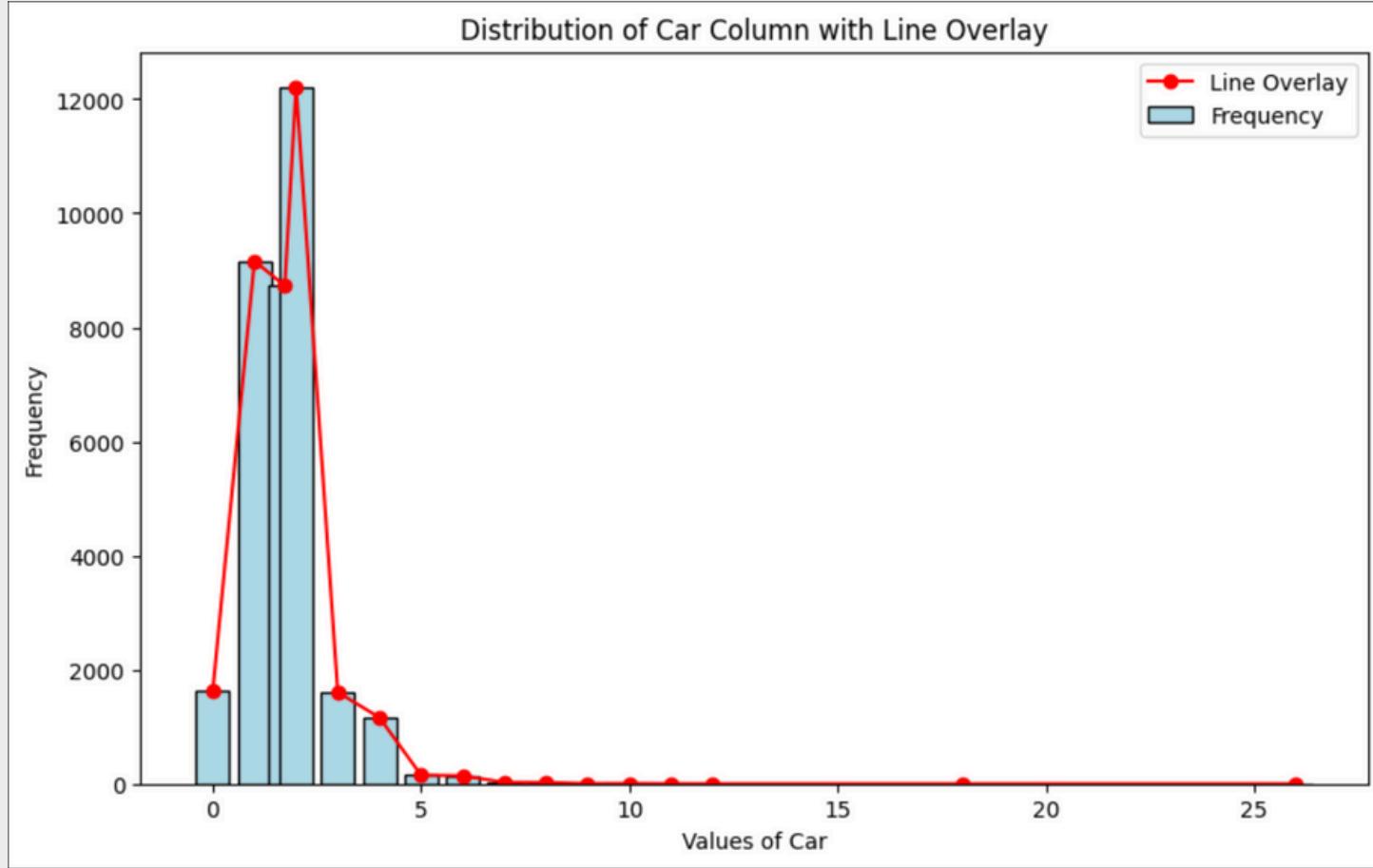


Vẽ heatmap tương quan

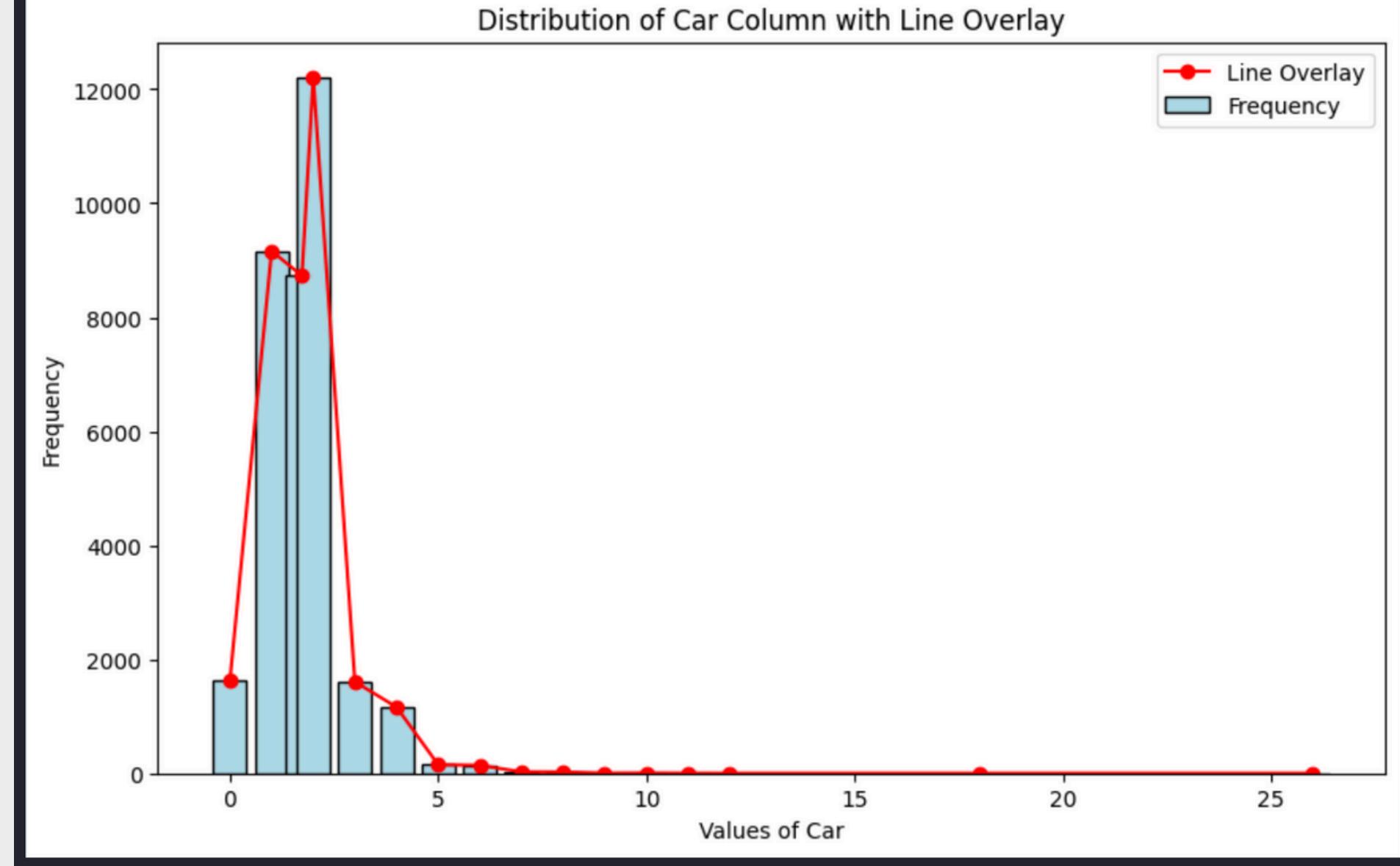


Biểu đồ phân bố trước và sau khi điền khuyết cho các cột

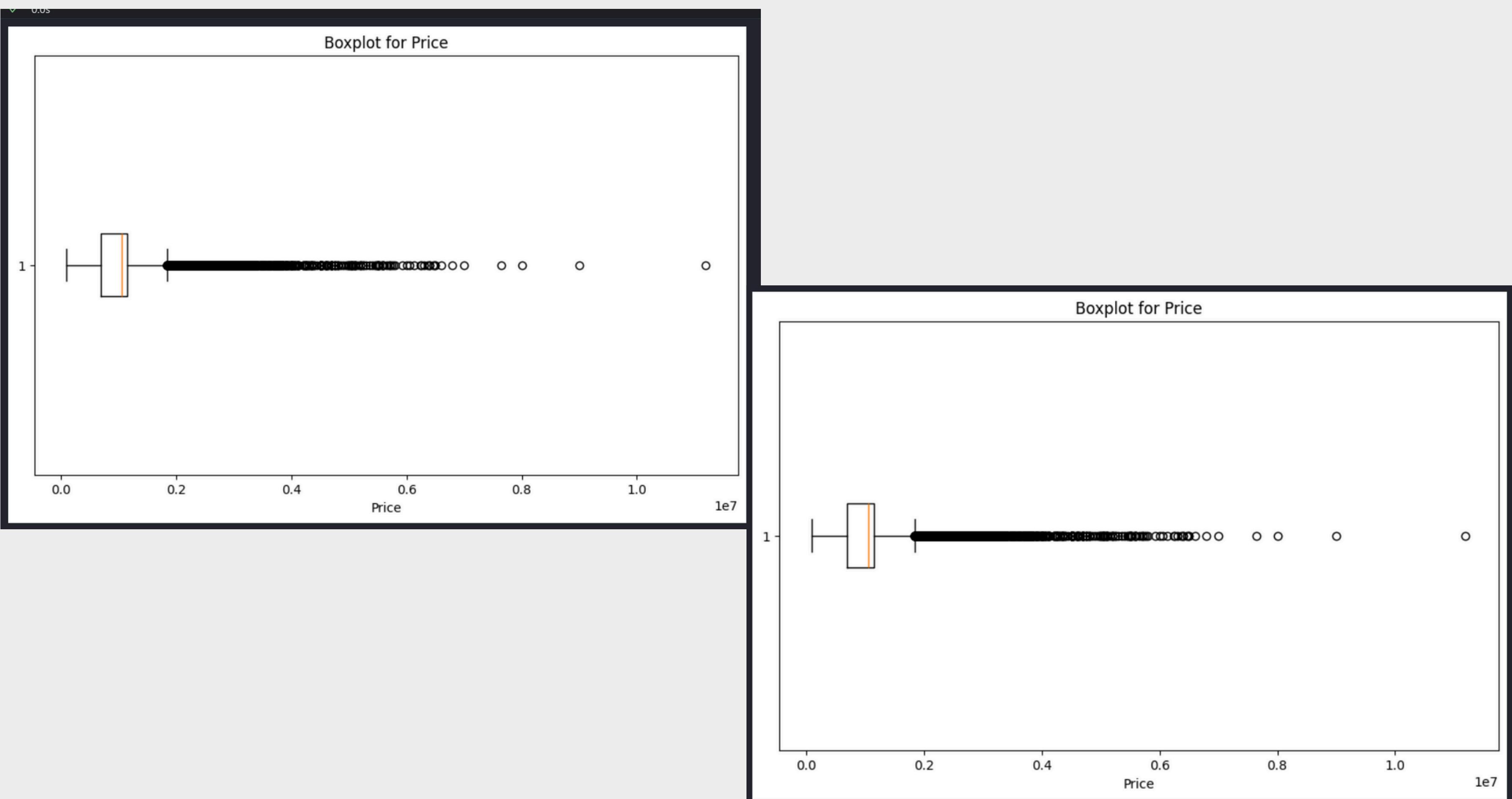
Distribution of Car Column with Line Overlay

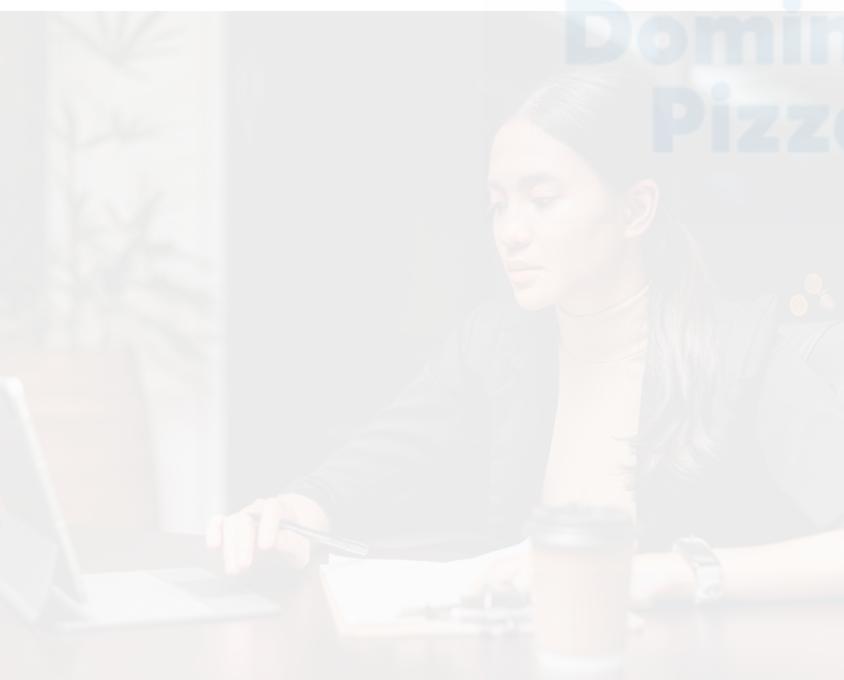


Distribution of Car Column with Line Overlay



Điền khuyết giá trị thiếu cho cột phân loại và vẽ biểu đồ phân phối





# THANK YOU!

