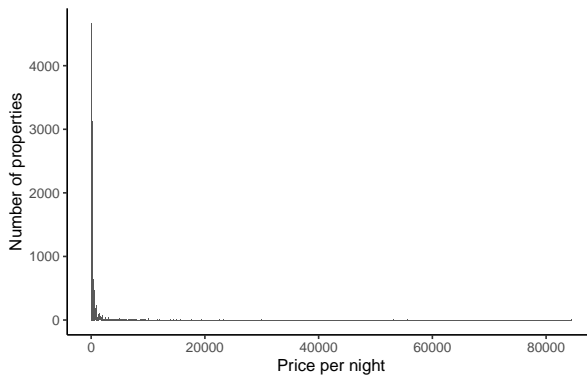


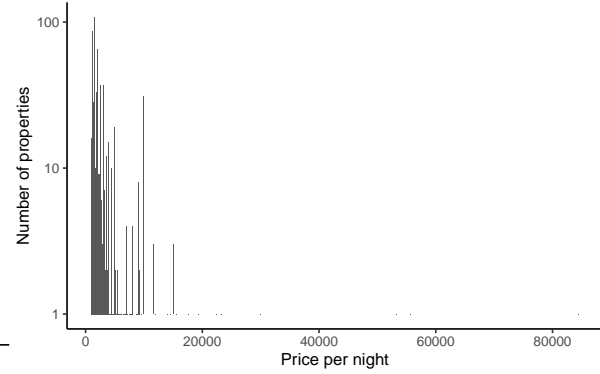
# Airbnb in Paris

Boxuan Yi

28 February 2024

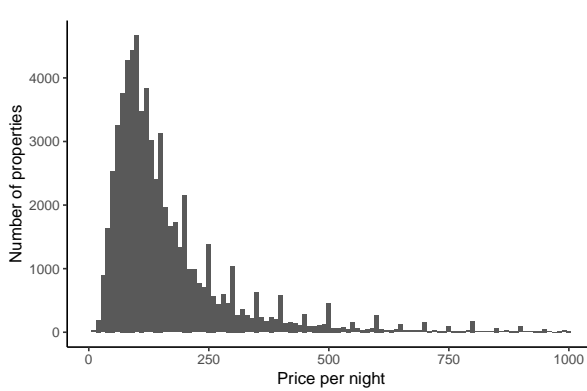


(a) Distribution of price

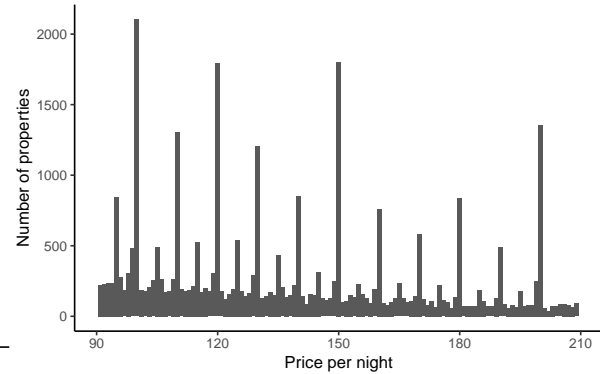


(b) Distribution of Prices Using the Log Scale for Prices More Than \$1,000

Figure 1: Distribution of prices of Paris Airbnb rentals in December 2023



(a) Prices less than \$1,000 suggest some bunching



(b) Prices between \$90 and \$210 illustrate the bunching more clearly

Figure 2: Distribution of prices for Airbnb listings in Paris in December 2023

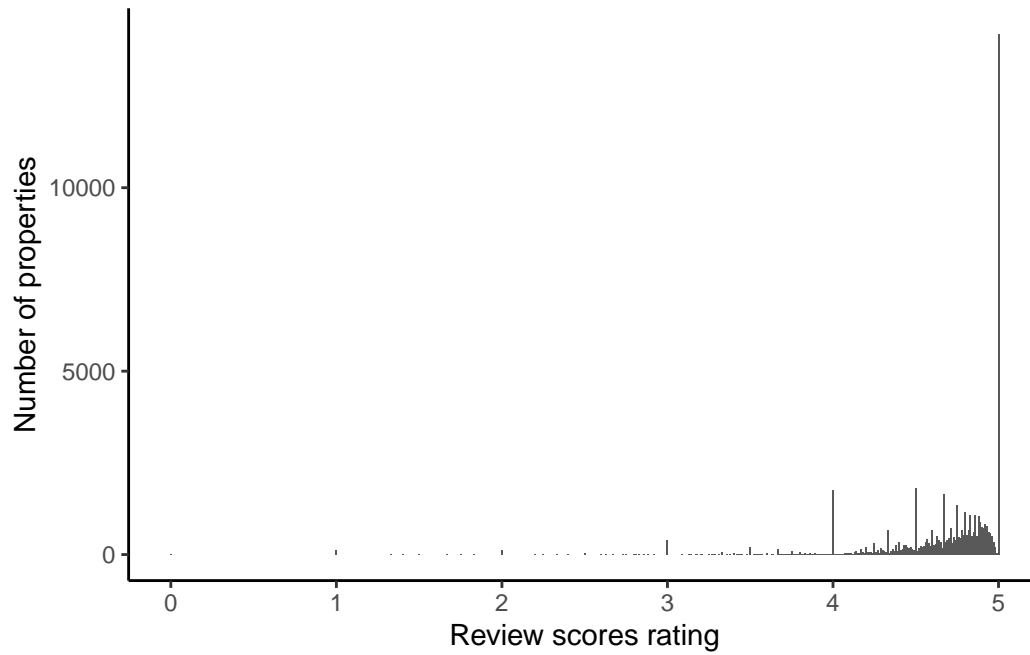


Figure 3: Distribution of review scores rating for Paris Airbnb rentals in December 2023

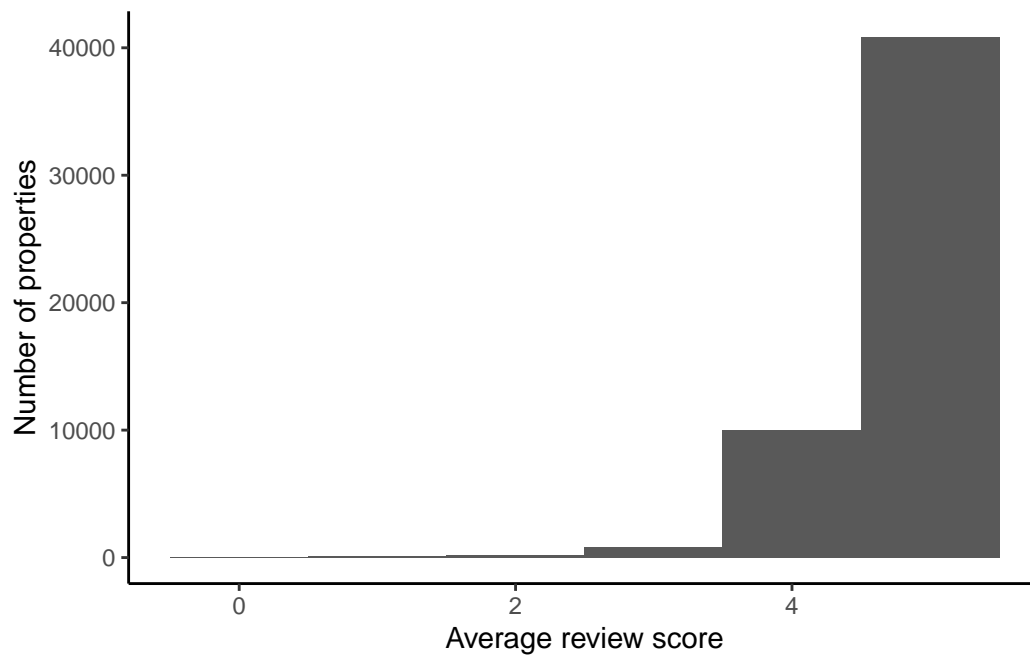


Figure 4: Distribution of review scores for Paris Airbnb rentals in December 2023

Table 1: Distribution of Hosts Response Time for Paris Airbnb in December 2023

host_response_time	n
a few days or more	1243
within a day	5297
within a few hours	6811
within an hour	22094
NA	16533

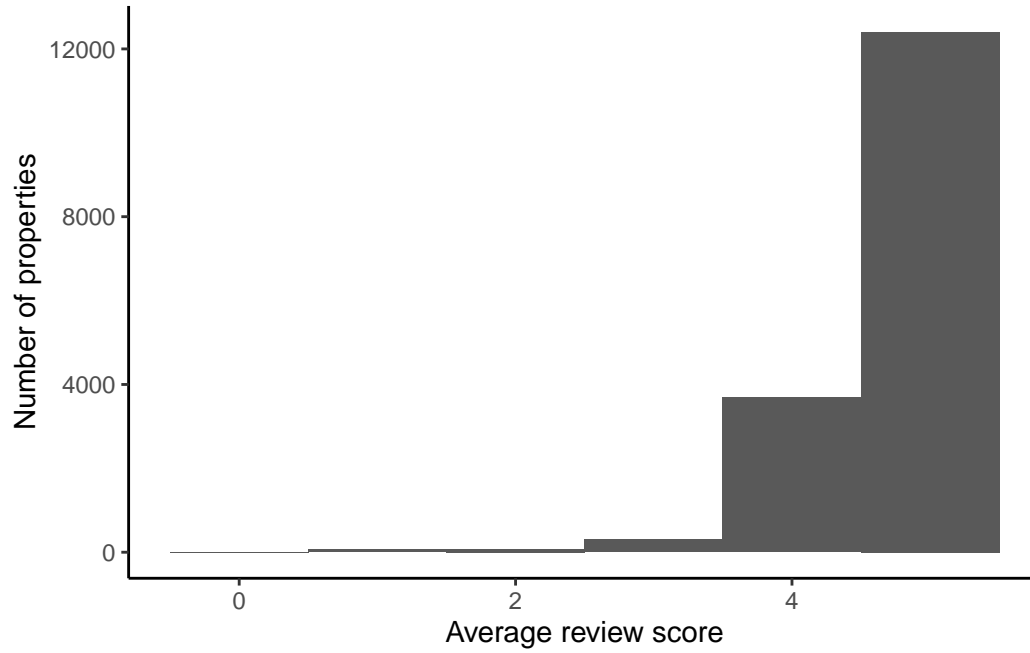


Figure 5: Distribution of review scores for properties with NA response time, for Paris Airbnb rentals in December 2023

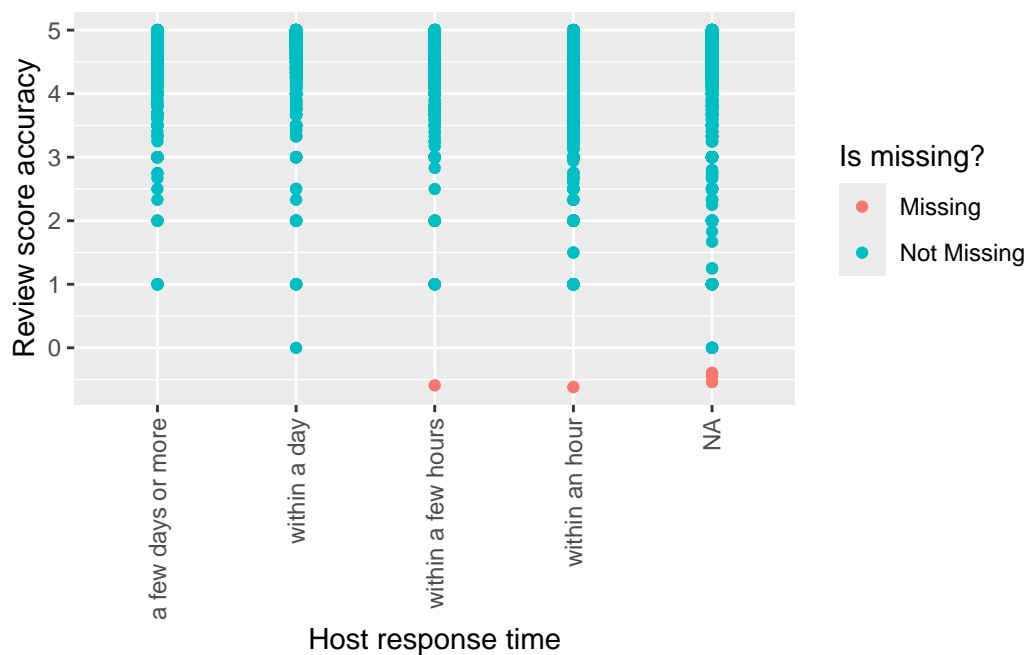
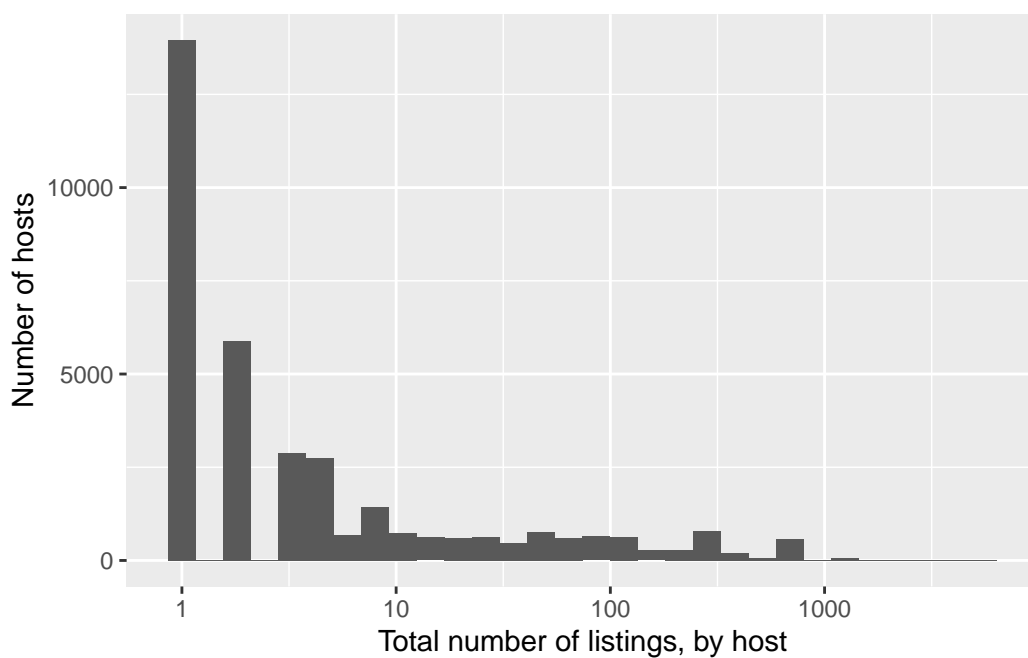


Figure 6: Missing values in Paris Airbnb data, by host response time



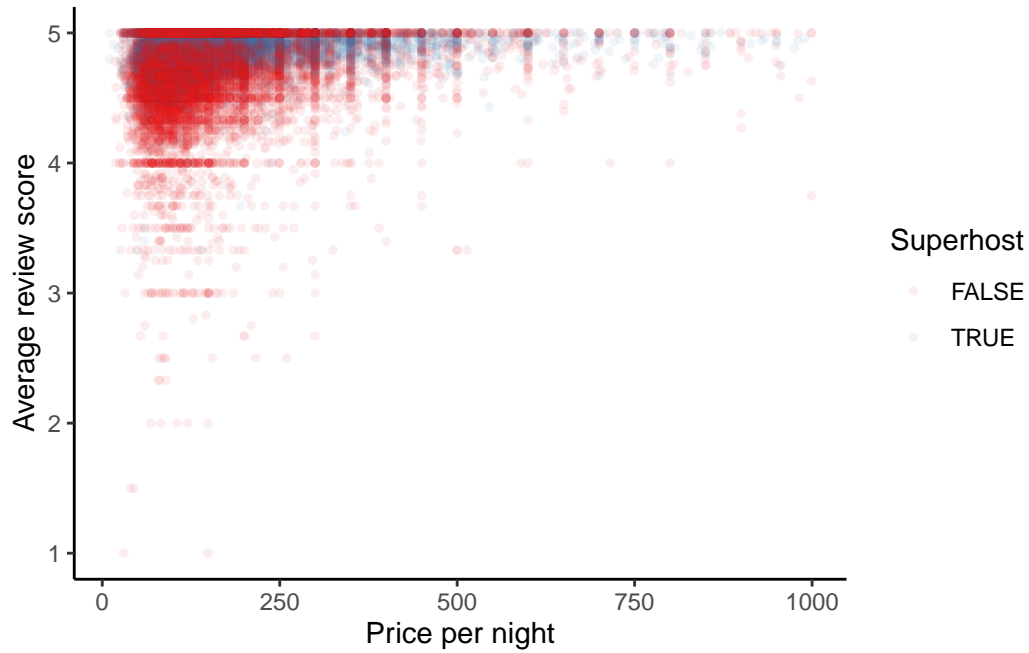


Figure 8: Relationship between price and review and whether a host is a superhost, for Paris Airbnb rentals in December 2023

Table 2: Explaining whether a host is a superhost based on their response time and review scores

	(1)
(Intercept)	−16.262 (0.481)
host_response_timewithin a day	2.019 (0.211)
host_response_timewithin a few hours	2.695 (0.210)
host_response_timewithin an hour	2.972 (0.209)
review_scores_rating	2.624 (0.089)
Num.Obs.	22 047
AIC	24 165.0
BIC	24 205.0
Log.Lik.	−12 077.507
RMSE	0.43