DA2-Assignment-2

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Introduction

Data exploration

To exploore the data I checked the descriptive statistics of the most relevant numerical variables

Models and interpretation

Summary

Appendix

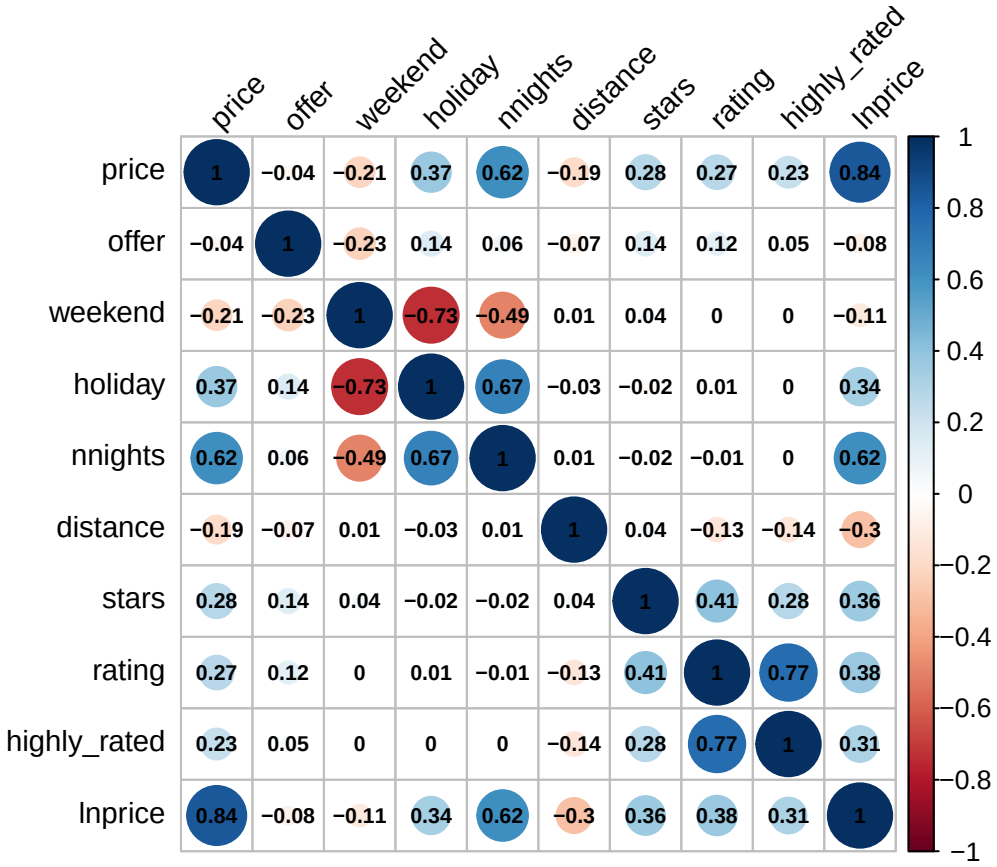

Table 1: Descriptive statistics

	Mean	Median	SD	Min	Max	P05	P25	P75	P95
price	208.39	139.00	222.82	32.00	4234.00	56.00	90.00	239.00	594.00
distance	1.73	1.10	2.07	0.10	16.00	0.30	0.70	1.70	6.20
offer	0.68	1.00	0.47	0.00	1.00	0.00	0.00	1.00	1.00
weekend	0.61	1.00	0.49	0.00	1.00	0.00	0.00	1.00	1.00
holiday	0.26	0.00	0.44	0.00	1.00	0.00	0.00	1.00	1.00
stars	3.30	3.00	0.91	1.00	5.00	2.00	3.00	4.00	5.00
rating	3.85	3.90	0.50	1.00	5.00	3.00	3.50	4.10	4.50
number of nights	1.41	1.00	1.03	1.00	4.00	1.00	1.00	1.00	4.00
Log(price)	5.03	4.93	0.72	3.47	8.35	4.03	4.50	5.48	6.39
highly rated	0.48	0.00	0.50	0.00	1.00	0.00	0.00	1.00	1.00

	LPM	Logit	Logit marginal	Probit	Probit marginal
Constant	0.012	−2.196**		−1.349**	
	(0.025)	(0.125)		(0.074)	
distance	−0.036**	−0.180**	−0.045**	−0.101**	−0.040**
	(0.003)	(0.017)	(0.004)	(0.010)	(0.004)
stars	0.160**	0.725**	0.181**	0.442**	0.176**
	(0.007)	(0.036)	(0.009)	(0.021)	(0.008)
Num.Obs.	5198	5198	5198	5198	5198
R2	0.103				
BIC	7003.4	6645.2	6645.2	6652.5	6652.5

* p < 0.05, ** p < 0.01