





30th Annual Meeting of the Royal Statistical Society of Belgium



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RSBB 2023 - WeLoveDataScience Hackstathon: Stats / Data Science competition

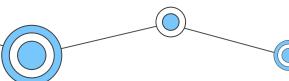




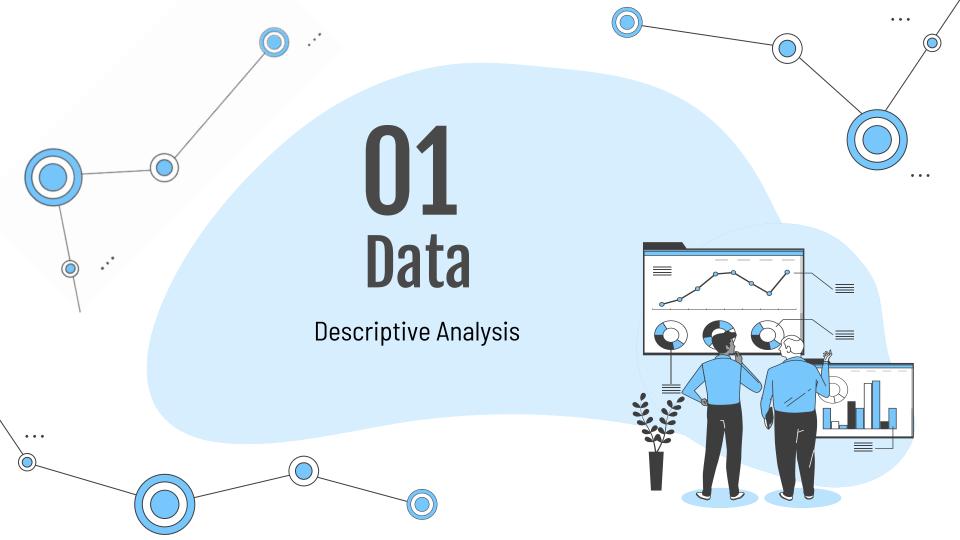
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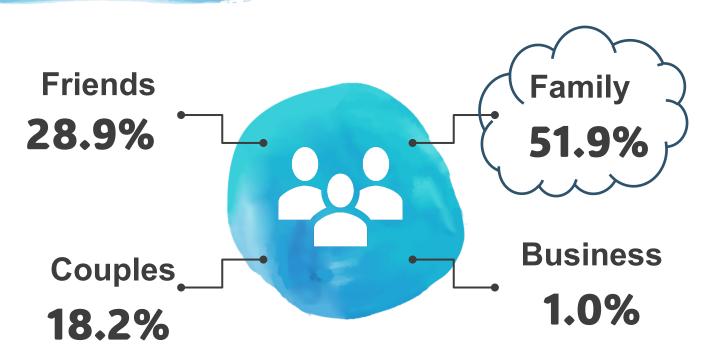








176 105 reservations





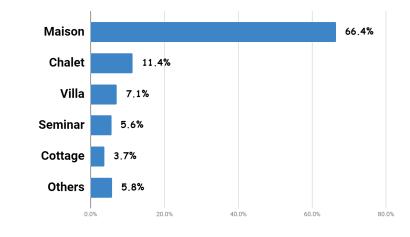
Reservations



2881 accommodations

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Capacity: 9 (IQR = 6)



Equipment





89.7%





Private garden







Washing machine



Pool





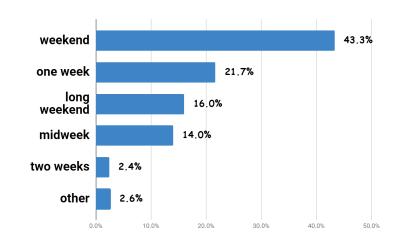




84.8% children



19.5% dog



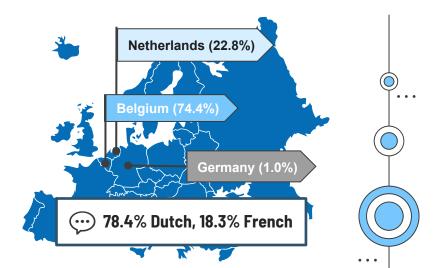




26.8 % stays in summer



9.5% discount during stay







98.2% plan to reuse



Potential issues



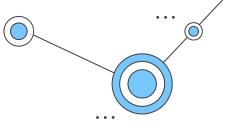


10.6% needed a reminder for the final payment

14.5% were clients with prior cancellation(s)



Factors affecting satisfaction





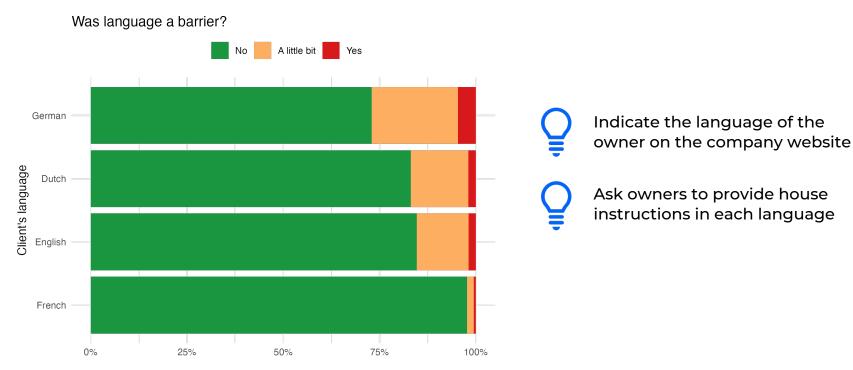


Dealing with the customer

Language

81.6% of reservations by non-French speaking people



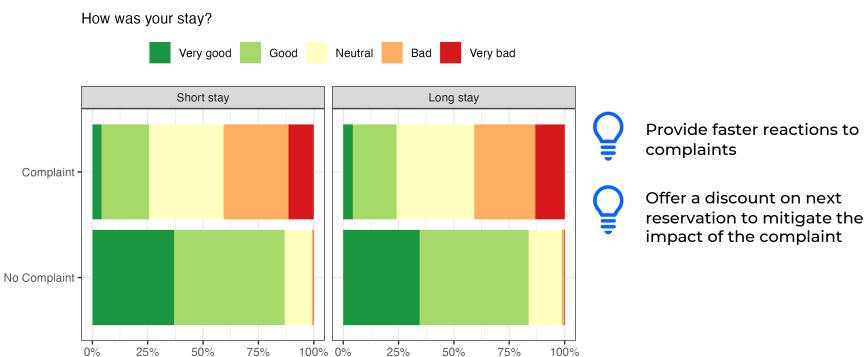


Dealing with the customer

Complaints

- 73% of complaints occured during long stays
- Less than 10% of people who complained got a discount during the stay





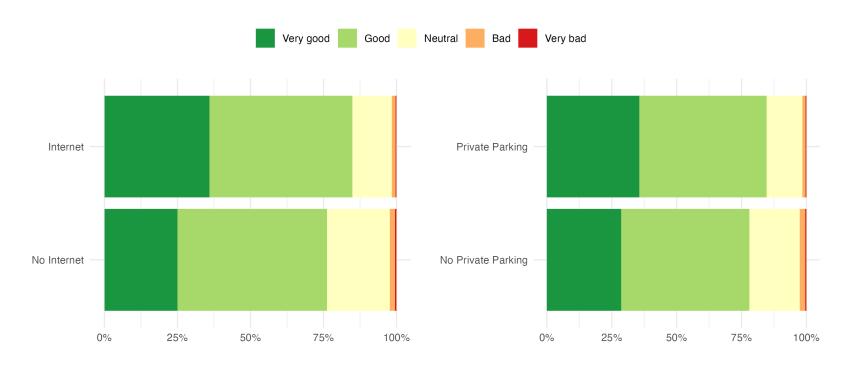
Dealing with the accomodation



Ask owners to provide internet access when possible



Provide recommendations or discounts on nearby parkings



For reproducibility...

Shiny app



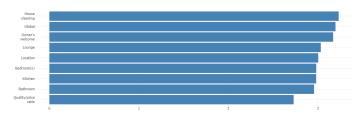
RSBB 2023 - WeLoveDataScience Hackstathon Understanding Clients' Satisfaction

Type of stay:					
Family					
Length:					
Weekend Long weekend					
Type of accomodation:					
House Villa					
CII 11 1					
Client's country:					
Belgium					
Total number of persons:					
4	to	30			
Rental period:					
20/09/2013	to	05/11/2021			
Minimum number of reservations: (for the complaints table					
only)		50			
		31 35 41 45 50			
1 8 11 18 21	26	31 38 41 48 60			
Your selection corresponds to 28,129 reservations, with a date					
f 0 1					

Satisfaction

Synthetic note: 9.09/10 Stars: 3.83/4

98.6% plan to reuse our rental services



Complaints

2.5% complained before the stay

1.1% complained during the stay

CSV Excel PDF Show 10 v entries			Search:	
Accommodation	+	#Reservations +	# Complaints +	Proportion
q1334		7	3	43%
e3517		8	3	38%
i1057		6	2	33%
i391		6	2	33%
j1394		6	2	33%
m2300		6	2	33%
q4031		6	2	33%
s1865		9	3	33%
p4562		11	3	27%
g291		8	2	25%
Showing 1 to 10 of 1,251	entries	Previous	1 2 3 4	5 126 Next

