

# **Wireframe Document**

## **AirBNB Data Analysis**



**Revision Number - 1.0**

**Last Date of Revision - 23/08/2024**

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# Document Control

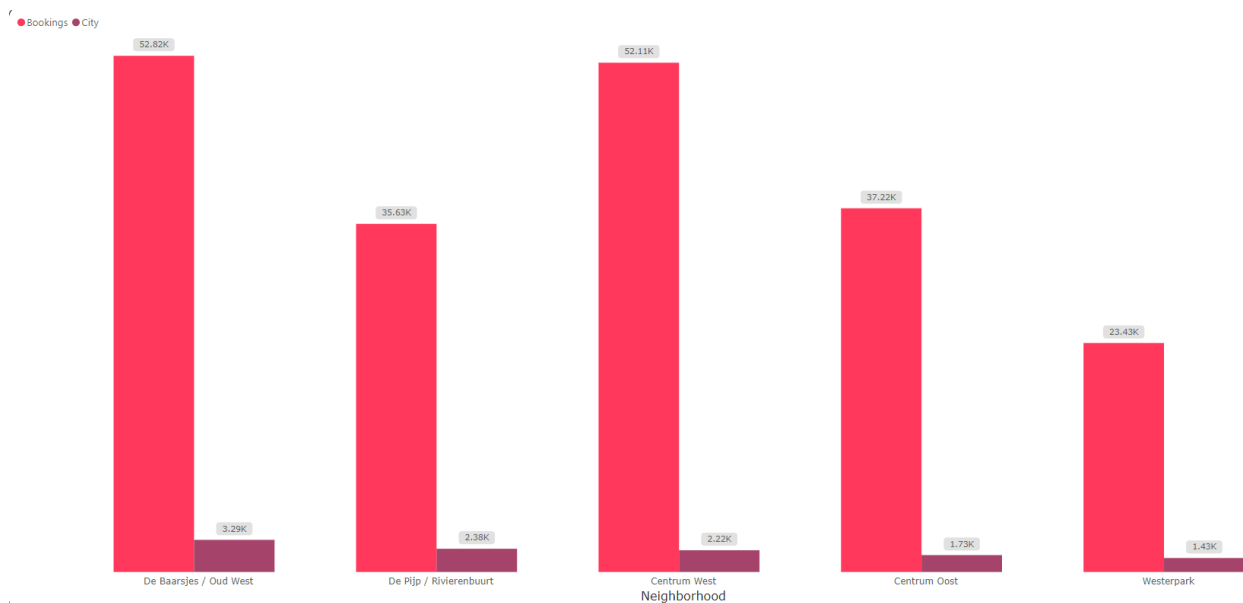
Date	Version	Description	Author
23/08/2024	1.0	Introduction, Problem Statement, Dataset Information, Architecture Description	Akhil Usha

Property	Number of Listings
Amsterdam Houseboat 'Centre'	107K
Historic Multatuli luxury 3bed2bath	102K
Sunny Houseboat 3-bedroom villa	100K
Amsterdam© city centre & canal view	72K
For Dreamers - The Floating Mansion	70K

A scatter plot showing the relationship between the price of a property (X-axis) and the total monthly earnings (Y-axis) for various neighborhoods in Amsterdam. The X-axis represents Price in millions of Euros (€M), ranging from 0M to 0.5M. The Y-axis represents Total Monthly Earnings in thousands of Euros (€K), ranging from 0M to 10M. The size of each bubble indicates the total monthly earnings, with larger bubbles representing higher earnings. The data points are labeled with neighborhood names.

Neighborhood	Price (€M)	Total Monthly Earnings (€K)
Bijlmer Oost	0.02	0.1
Oud West	0.03	0.1
Stationsplein	0.04	0.2
Stationsplein	0.05	0.3
Stationsplein	0.06	0.4
Stationsplein	0.07	0.5
Stationsplein	0.08	0.6
Stationsplein	0.09	0.7
Stationsplein	0.10	0.8
Stationsplein	0.11	0.9
Stationsplein	0.12	1.0
Stationsplein	0.13	1.1
Stationsplein	0.14	1.2
Stationsplein	0.15	1.3
Stationsplein	0.16	1.4
Stationsplein	0.17	1.5
Stationsplein	0.18	1.6
Stationsplein	0.19	1.7
Stationsplein	0.20	1.8
Stationsplein	0.21	1.9
Stationsplein	0.22	2.0
Stationsplein	0.23	2.1
Stationsplein	0.24	2.2
Stationsplein	0.25	2.3
Stationsplein	0.26	2.4
Stationsplein	0.27	2.5
Stationsplein	0.28	2.6
Stationsplein	0.29	2.7
Stationsplein	0.30	2.8
Stationsplein	0.31	2.9
Stationsplein	0.32	3.0
Stationsplein	0.33	3.1
Stationsplein	0.34	3.2
Stationsplein	0.35	3.3
Stationsplein	0.36	3.4
Stationsplein	0.37	3.5
Stationsplein	0.38	3.6
Stationsplein	0.39	3.7
Stationsplein	0.40	3.8
Stationsplein	0.41	3.9
Stationsplein	0.42	4.0
Stationsplein	0.43	4.1
Stationsplein	0.44	4.2
Stationsplein	0.45	4.3
Stationsplein	0.46	4.4
Stationsplein	0.47	4.5
Stationsplein	0.48	4.6
Stationsplein	0.49	4.7
Stationsplein	0.50	4.8
Stationsplein	0.51	4.9
Stationsplein	0.52	5.0
Stationsplein	0.53	5.1
Stationsplein	0.54	5.2
Stationsplein	0.55	5.3
Stationsplein	0.56	5.4
Stationsplein	0.57	5.5
Stationsplein	0.58	5.6
Stationsplein	0.59	5.7
Stationsplein	0.60	5.8
Stationsplein	0.61	5.9
Stationsplein	0.62	6.0
Stationsplein	0.63	6.1
Stationsplein	0.64	6.2
Stationsplein	0.65	6.3
Stationsplein	0.66	6.4
Stationsplein	0.67	6.5
Stationsplein	0.68	6.6
Stationsplein	0.69	6.7
Stationsplein	0.70	6.8
Stationsplein	0.71	6.9
Stationsplein	0.72	7.0
Stationsplein	0.73	7.1
Stationsplein	0.74	7.2
Stationsplein	0.75	7.3
Stationsplein	0.76	7.4
Stationsplein	0.77	7.5
Stationsplein	0.78	7.6
Stationsplein	0.79	7.7
Stationsplein	0.80	7.8
Stationsplein	0.81	7.9
Stationsplein	0.82	8.0
Stationsplein	0.83	8.1
Stationsplein	0.84	8.2
Stationsplein	0.85	8.3
Stationsplein	0.86	8.4
Stationsplein	0.87	8.5
Stationsplein	0.88	8.6
Stationsplein	0.89	8.7
Stationsplein	0.90	8.8
Stationsplein	0.91	8.9
Stationsplein	0.92	9.0
Stationsplein	0.93	9.1
Stationsplein	0.94	9.2
Stationsplein	0.95	9.3
Stationsplein	0.96	9.4
Stationsplein	0.97	9.5
Stationsplein	0.98	9.6
Stationsplein	0.99	9.7
Stationsplein	1.00	9.8
Stationsplein	1.01	9.9
Stationsplein	1.02	10.0

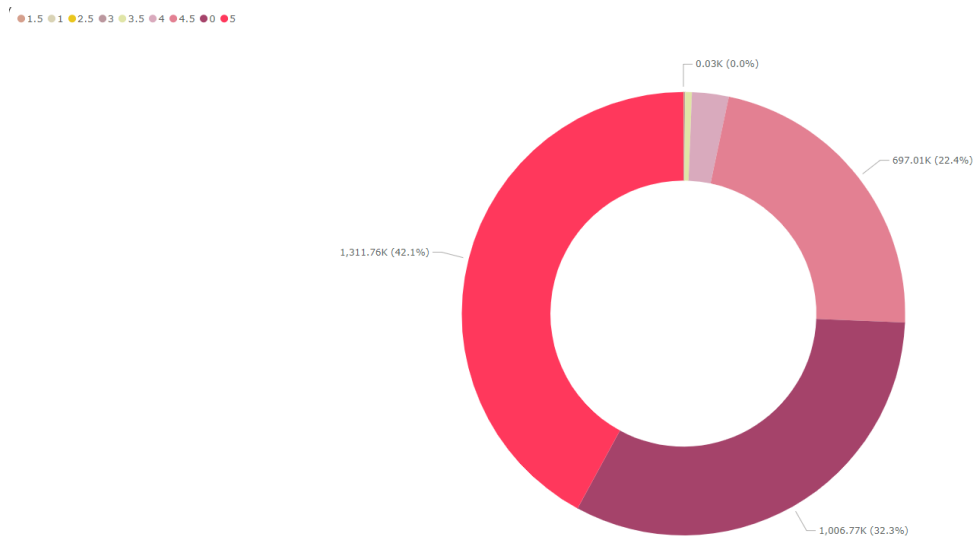
### 3. Any particular location getting maximum number of bookings?



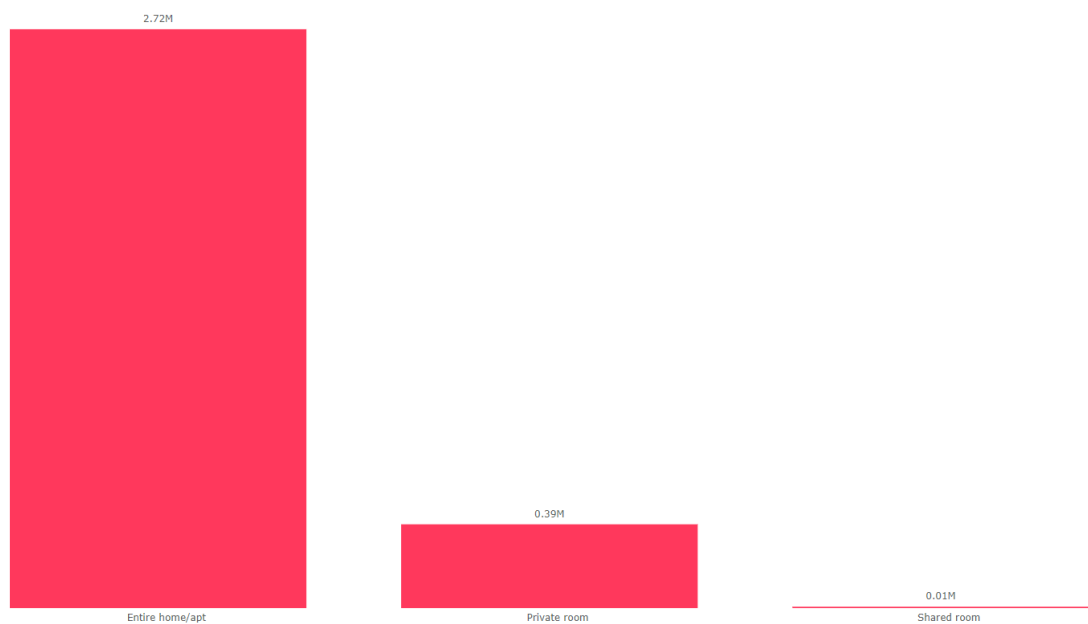
### 4. Price relation with respect to location?

Price	Earnings	Reviews	Overall Satisfaction	Locations
1,079	0	0	0.00	Amsterdam - Geuzenveld / Slotermeer
1,079	2,158	2	0.00	Amsterdam - Centrum West
1,122	24,684	22	5.00	Amsterdam - Centrum West
1,134	0	0	0.00	Amsterdam - Centrum West
1,140	7,980	7	5.00	Amsterdam - De Baarsjes / Oud West
1,170	15,210	13	5.00	Amsterdam - Noord-West / Noord-Midden
1,199	0	0	0.00	Amsterdam - Centrum West
1,199	5,995	5	4.50	Amsterdam - Centrum West
1,200	2,400	2	0.00	Amsterdam - Centrum Oost
1,200	3,600	3	4.50	Amsterdam - Westerpark
1,319	0	0	0.00	Amsterdam - Noord-West / Noord-Midden
1,343	4,029	3	4.50	Amsterdam - De Baarsjes / Oud West
1,386	0	0	0.00	Amsterdam - Geuzenveld / Slotermeer
1,412	1,412	1	0.00	Amsterdam - Watergraafsmeer
1,428	11,424	8	5.00	Amsterdam - Centrum Oost
1,558	0	0	0.00	Amsterdam - Centrum West
1,799	0	0	0.00	Amsterdam - Geuzenveld / Slotermeer
1,920	11,520	6	5.00	Amsterdam - Centrum West
3,770	0	0	0.00	Amsterdam - Centrum Oost
6,000	0	0	0.00	Amsterdam - Westerpark

## 5. Relationship between Quality and Price?



## 6. Price vs amenities?



## 7. Price vs location.

Room No	Room type	Price	Price Category	Neighborhood	Reviews	Accommodates	Total Earnings	Satisfaction Category
785432	Entire home/apt	240	Low	Centrum Oost	447	4	1,07,280	Very Good
49552	Entire home/apt	359	Moderate	Centrum West	284	6	1,01,956	Excellent
449775	Private room	312	Moderate	Westerpark	321	4	1,00,152	Excellent
366438	Private room	210	Low	Centrum Oost	344	4	72,240	Excellent
779225	Entire home/apt	567	High	Oostelijk Havengebied / Indische Buurt	124	6	70,308	Very Good
854328	Entire home/apt	359	Moderate	Westerpark	190	4	68,210	Excellent
57408	Entire home/apt	163	Low	Oostelijk Havengebied / Indische Buurt	410	4	66,830	Excellent
68290	Private room	143	Low	Centrum West	463	2	66,209	Excellent
42970	Private room	179	Low	Centrum West	366	2	65,514	Excellent
57841	Entire home/apt	174	Low	Centrum Oost	369	4	64,206	Excellent
938669	Private room	210	Low	Centrum Oost	278	4	58,380	Excellent
529174	Entire home/apt	900	High	Centrum West	63	8	56,700	Very Good
2705165	Entire home/apt	330	Moderate	Oud Noord	167	12	55,110	Excellent
1814121	Private room	144	Low	Osdorp	378	2	54,432	Very Good
4057422	Entire home/apt	514	High	Centrum Oost	103	2	52,942	Excellent
1236227	Entire home/apt	474	Moderate	Centrum Oost	111	5	52,614	Excellent
253650	Private room	179	Low	Centrum West	288	2	51,552	Excellent
68873	Private room	118	Low	Centrum West	433	2	51,094	Excellent
851044	Entire home/apt	144	Low	Noord-West / Noord-Midden	354	4	50,976	Very Good
8269677	Entire home/apt	510	High	Oud Noord	99	16	50,490	Very Good
82482	Entire home/apt	93	Very Low	Centrum West	532	4	49,476	Very Good
3902098	Entire home/apt	540	High	Oud Noord	91	12	49,140	Very Good
44129	Entire home/apt	300	Moderate	Centrum West	162	2	48,600	Excellent
1469096	Private room	108	Low	Centrum West	443	2	47,844	Very Good
193081	Private room	102	Low	De Baarsjes / Oud West	465	2	47,430	Very Good
6369452	Entire home/apt	456	Moderate	Westerpark	102	4	46,512	Excellent
2471617	Entire home/apt	179	Low	Centrum Oost	254	4	45,466	Excellent
5860147	Entire home/apt	780	High	De Pijp / Rivierenbuurt	58	9	45,240	Very Good
1295669	Entire home/apt	198	Low	Watergraafsmeer	228	4	45,144	Very Good
3489193	Private room	222	Low	Centrum West	203	4	45,066	Very Good
858666	Private room	168	Low	Oostelijk Havengebied / Indische Buurt	268	2	45,024	Excellent