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| **PROJECT 2 ETL** |  |
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|  | *Meme – Lili - Emily*  *Technical Report* |

Description

We are in a new era of travel. - Before the COVID-19 pandemic, travel and tourism represented more than 10% of the global economy, powered by 56x growth in international travel from 1950 to 2019. But as travel boomed, so much of it became the same—all the same places at all the same times. Then in 2020, it came to a halt. International arrivals sank to their lowest level in more than 30 years; as pandemic restrictions gradually lift and travel restarts. We are shifting from travelling at all the same times to all the same old places to many of us living anywhere, at any time, for however long. This is not a temporary reaction to these many months of restrictions and isolation, it’s a step toward a world in which living and travelling are one and the same and is the top activity people say they will do first once they feel safe. But, where do people want to travel again?

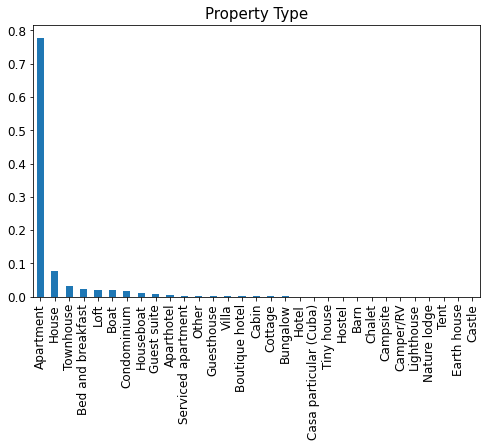
In the following analysis, we explore Amsterdam’s Airbnb Market in 2018 – 2019 to give resources at the time of decision making as Amsterdam is the capital and most popular city of the Netherlands.

The Amsterdam AirBnB Dataset contains data about AirBnB listings in Amsterdam, calendar availability for each of these listings as well as user reviews on the listings. Using this dataset, In the following analysis, we explore Amsterdam’s Airbnb Market in 2018 – 2019 to give resources to tourist at the time of decision making. We are going to attempt to answer the following business questions:

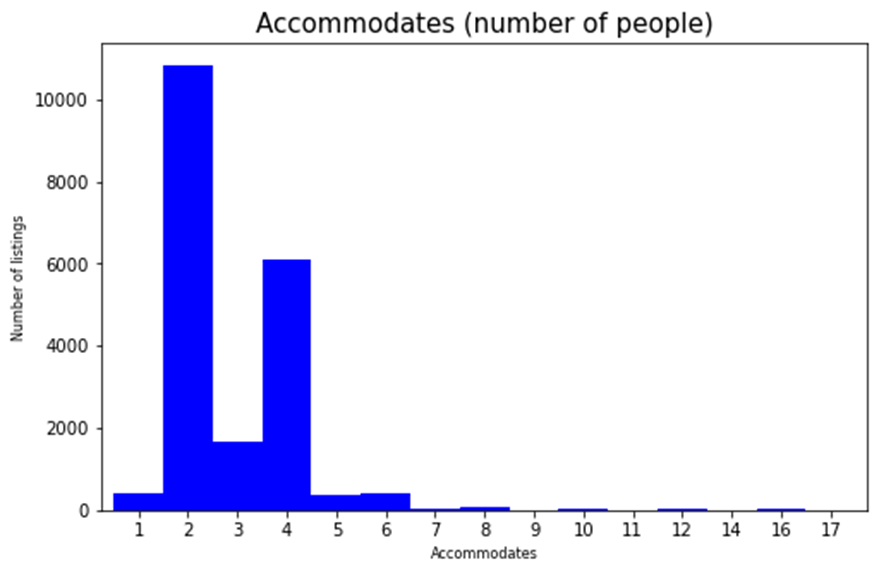
1. How does pricing increase or decrease by neighborhood and which ones are the priciest neighborhoods in Amsterdam?
2. How does property types & Room types within neighborhoods impact price for the most expensive neighborhoods and most common property types?
3. Is there a Trend in Location?
4. What are the average reviews scores?

The answer of those question can be useful for people from Amsterdam who wants to start renting their properties on Airbnb, or tourists who are going to visit Amsterdam and want to estimate the cost of accommodation.

Analysis

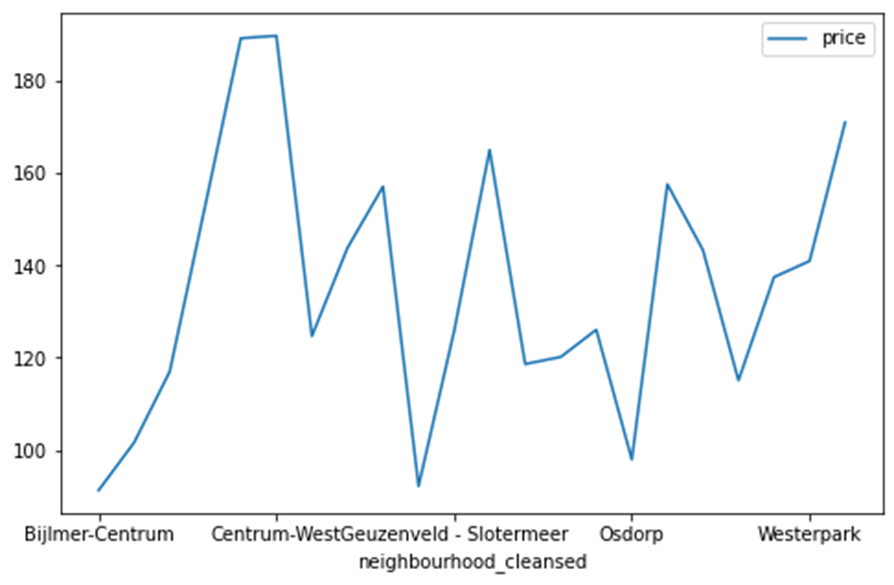


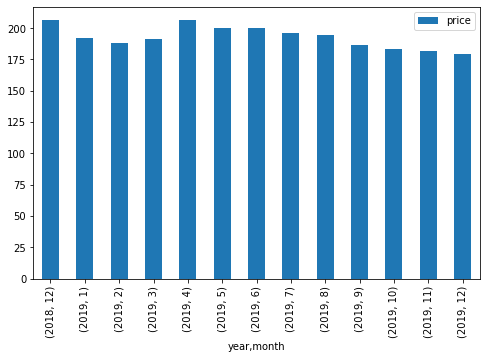
The graph represents on a descending scale the type of most rented property according to the listings being apartment in the first place.

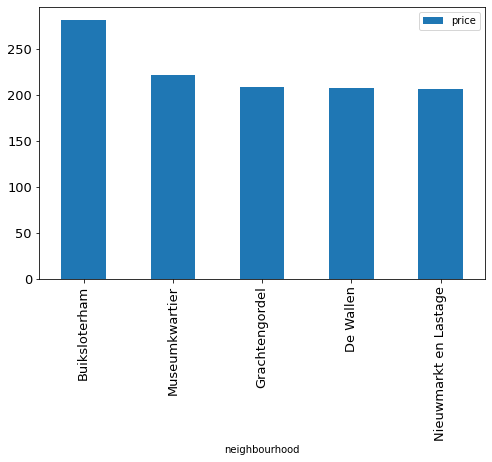


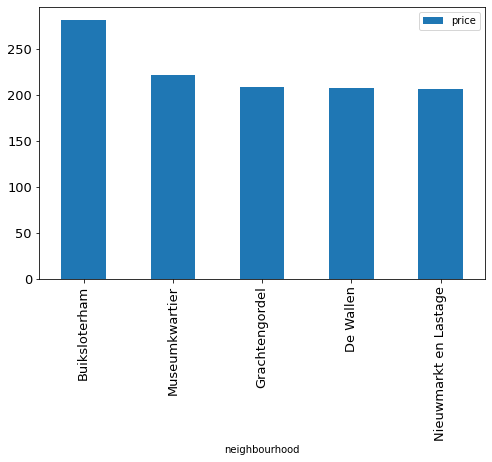
According to the number of listings the most preferred accommodation is for 2 and 4 people.











Based on the above analysis, there is definitely price fluctuations based on neighborhoods. The Centrum-West seems like the priciest of all, averaging at $280. Followed by Museumkwartier at $222. Osdorp seems like the cheapest at $111 average price.

