

A low-angle, upward-looking photograph of several modern skyscrapers with glass and steel facades, reaching towards a clear blue sky. The perspective creates a sense of height and architectural grandeur.

Hotels Data Analysis

Task one for





presentation Agenda

- Task Objectives
- process
- Insights



Task Objectives

- Hotels with highest profitability and losses.
- Countries with highest profitability and losses.
- Total Sales per country.
- quarterly sales and net profit for the top countries
- Cluster the data by room nights into three categories: high demand, mid demand, and low demand
- net profit per room-nights categories

process



Data understanding
&
Data Quality
Assessment

Data Cleaning
&
Modelling



Data analysis

Share insights

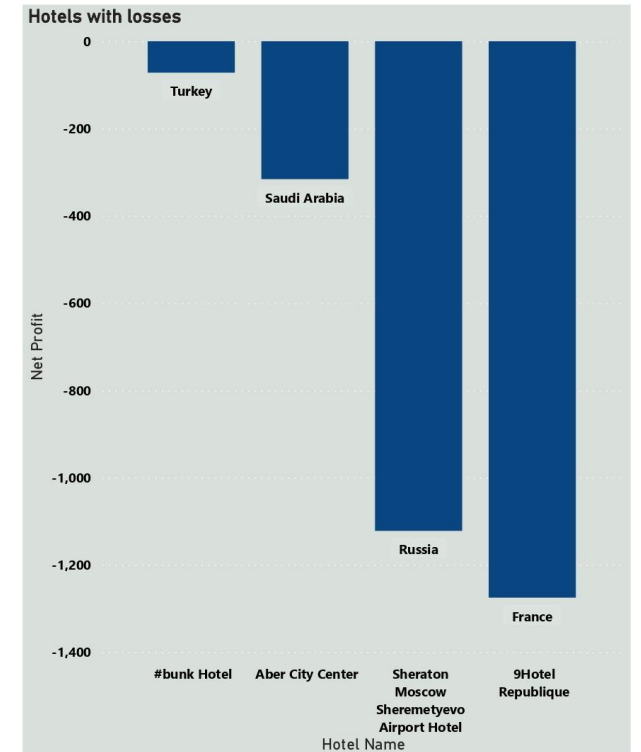
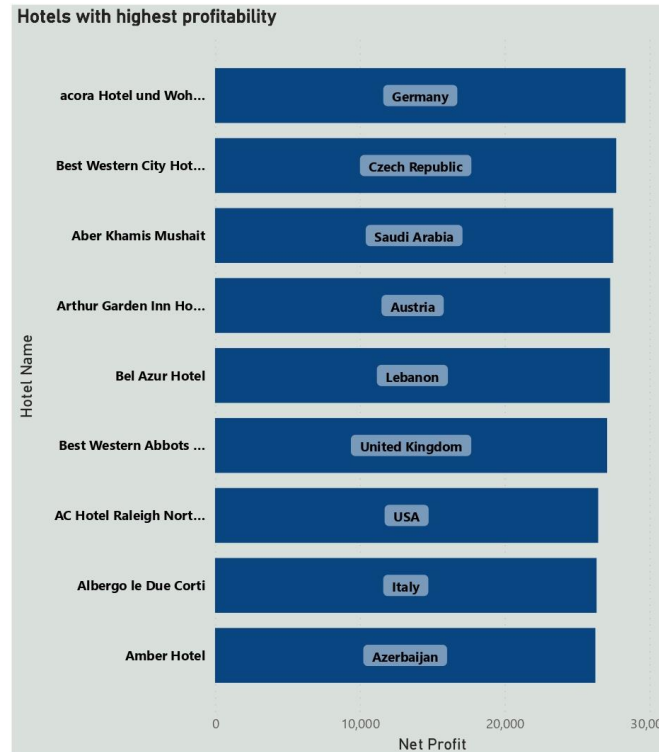




Insights

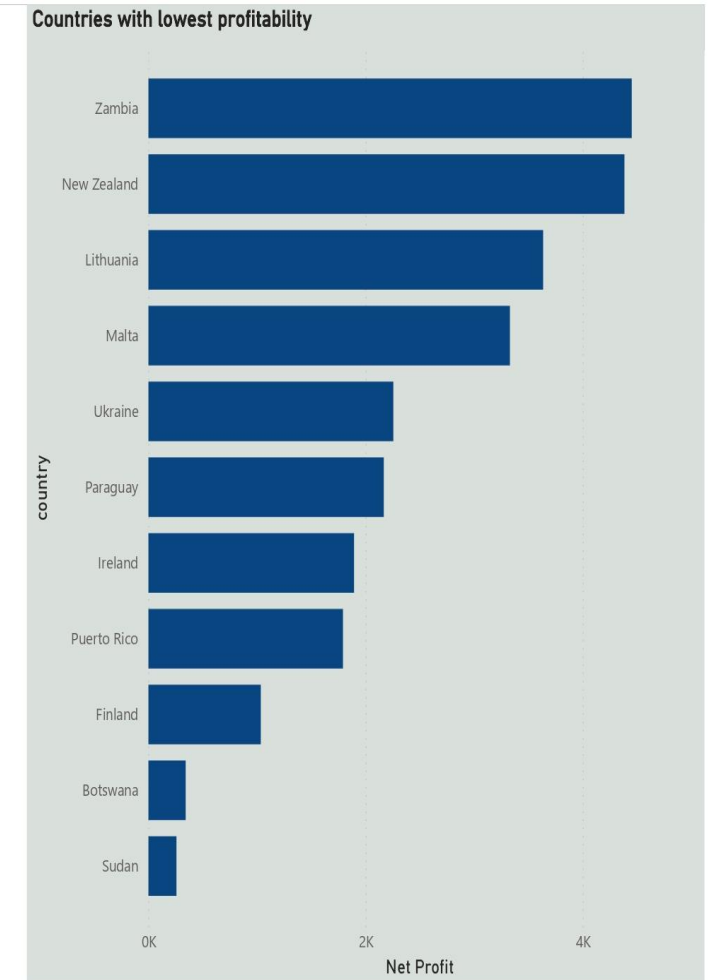
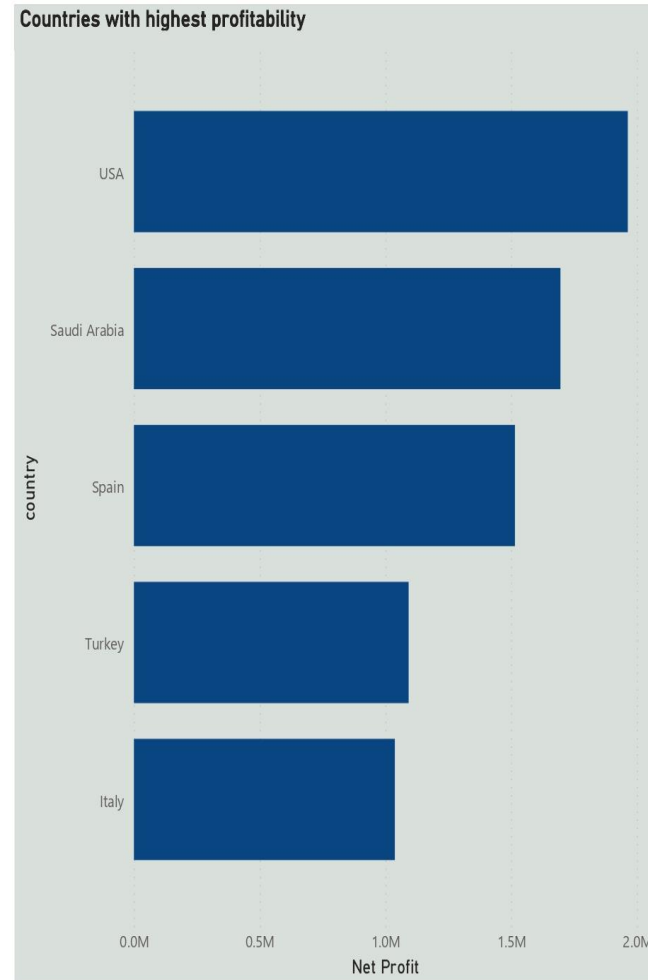
Hotels with highest profitability and losses.

- The graph shows the hotels with the highest profits and the least profitable hotels that presented negative profits or losses. As is clear, the Acroa Hotel is considered to be the most profitable in 2019, which is located in Germany. As is also clear, the Bunk Hotel is considered to be the hotel that achieved the largest losses in the same year, which is located in Turkey.



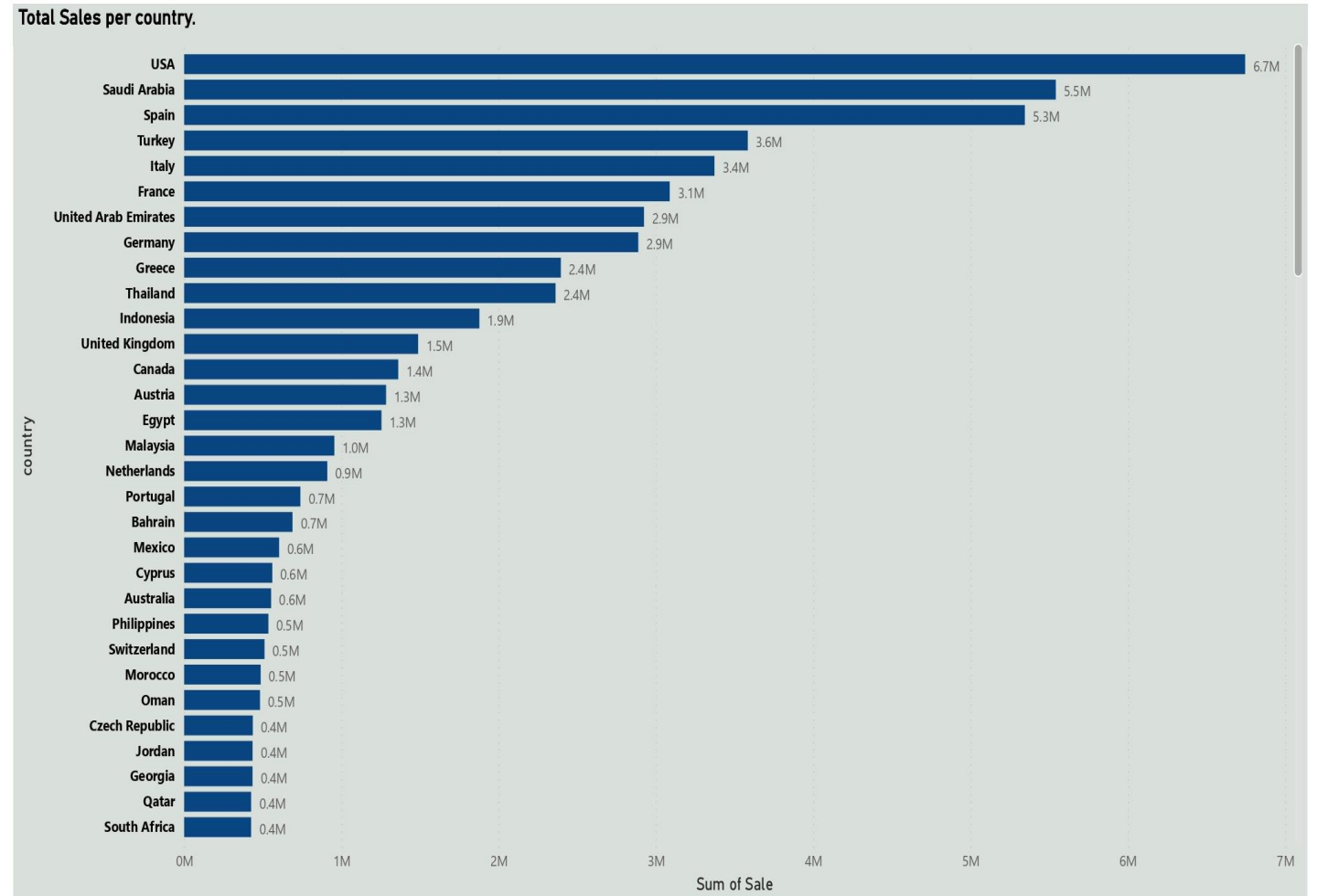
Countries with highest profitability and losses.

- The graph shows the countries that have achieved the most profits in the hotels fields, and as is clear, America is considered the country with the most profits, followed by Saudi Arabia, Spain, Turkey, and Italy, respectively. It also shows the countries that have achieved the least profits in this industry, and Sudan is considered the country with the least profits.



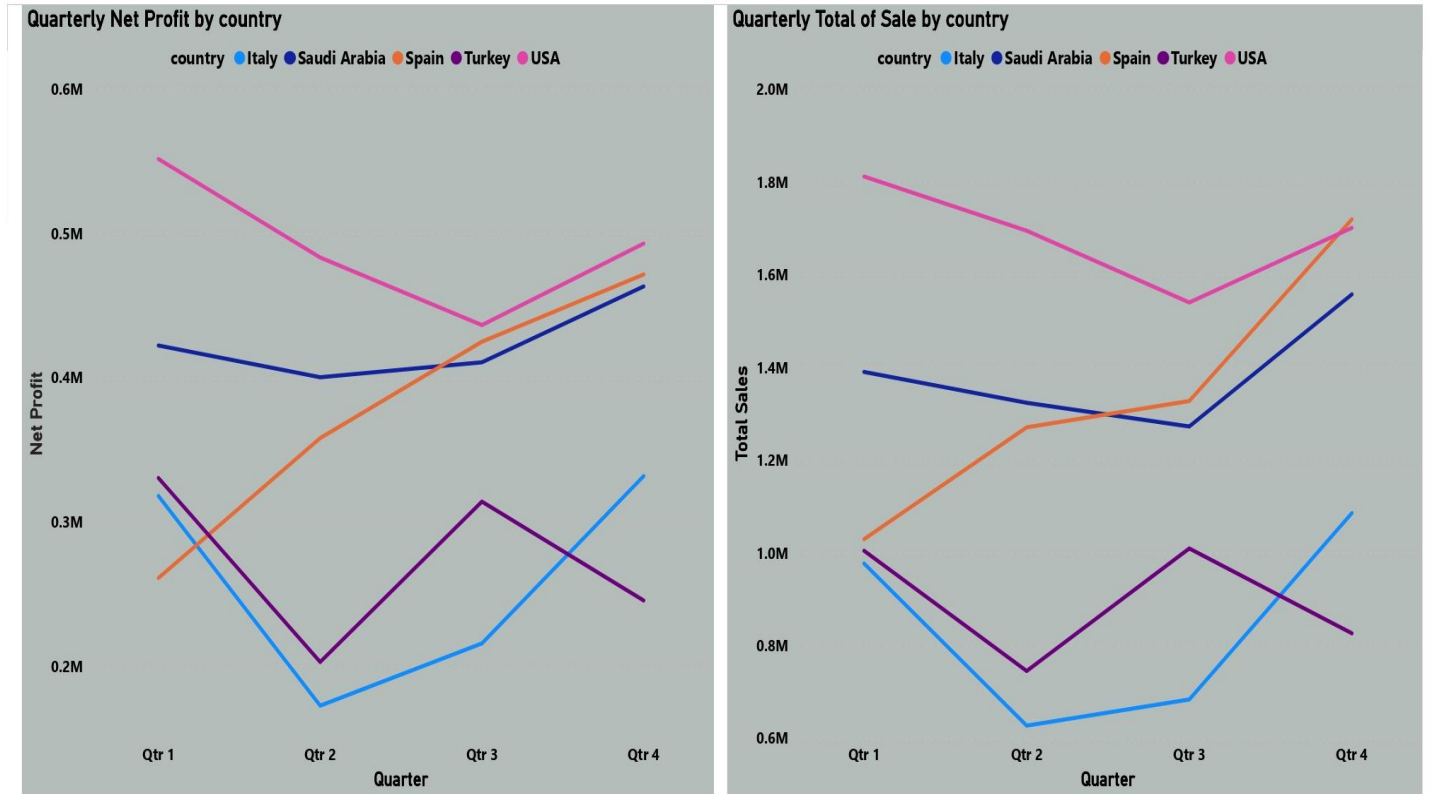
Total Sales per country

- The graph shows the best-selling countries in the hotel field. As expected, the top five countries: America, Saudi Arabia, Spain, Turkey, and Italy are the countries with the most sales.



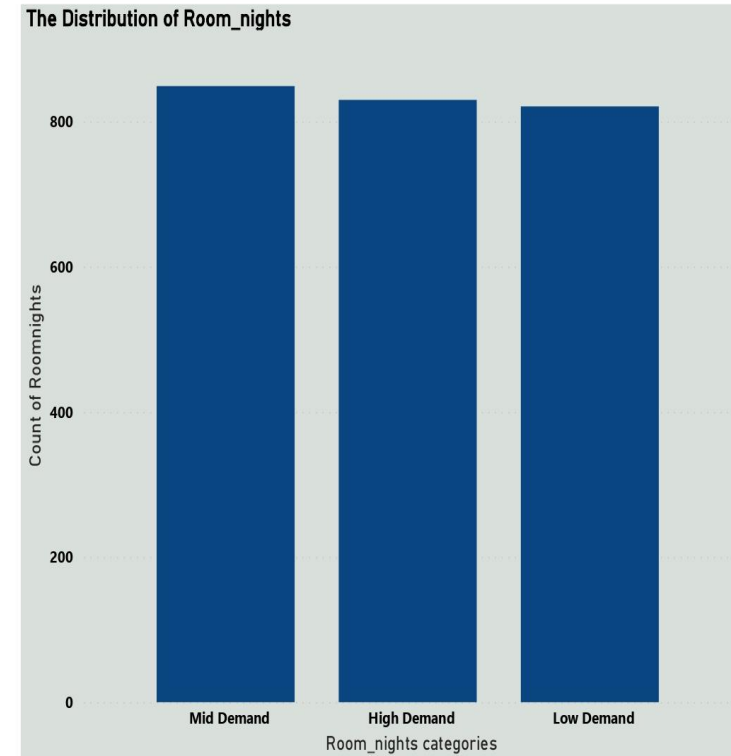
quarterly sales and net profit for the top countries

- The graph shows quarterly sales and net profit for the top countries and it's clear that the third quarter saw a sharp decline in private profits for the United States and a noticeable increase in Turkey's profits. The graph also shows that the United States led in profits and sales until the last quarter, as Spain was able to lead in sales, but the United States remains the leader in profits throughout the year. Although the graph shows Spain ahead of Saudi Arabia in terms of sales and profits, as we showed in the previous graphs regarding total sales and profits, which show Saudi Arabia occupying second place on both levels.



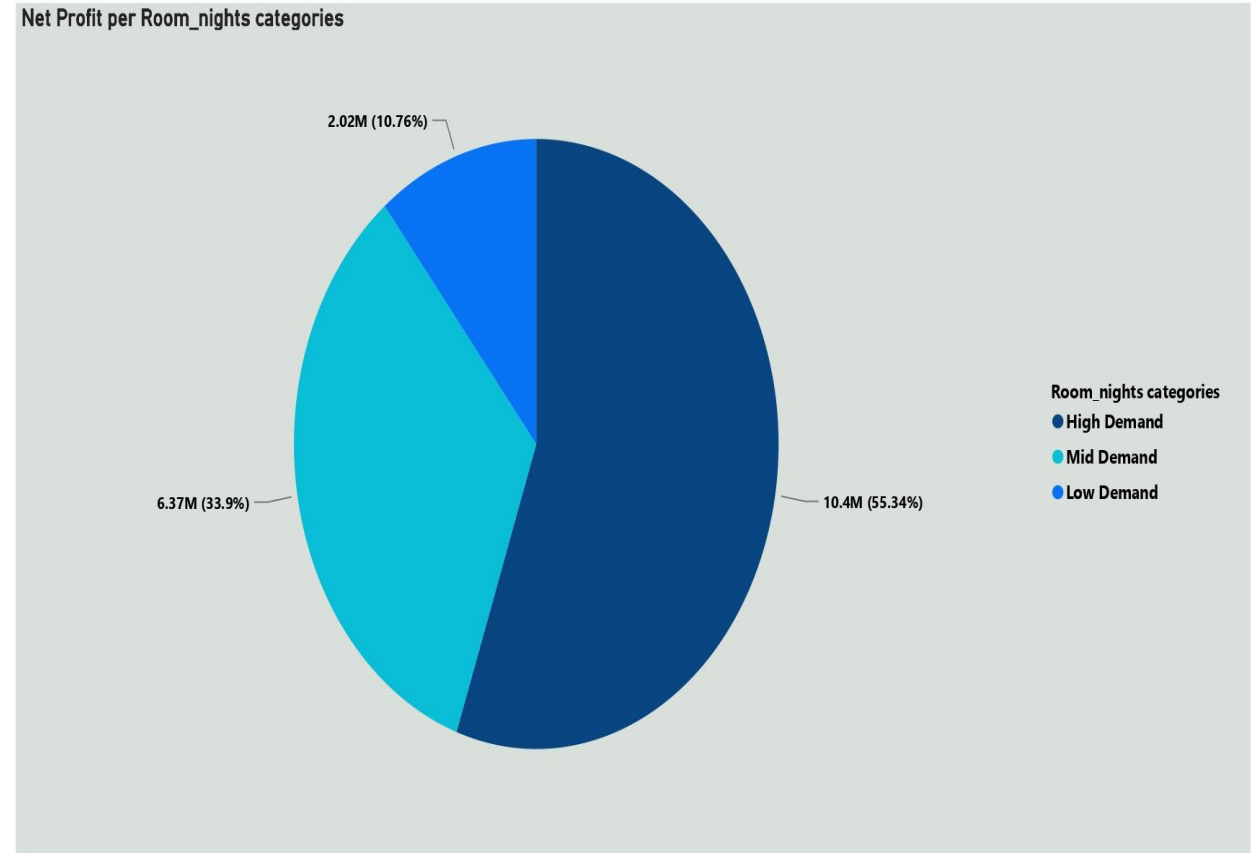
Distribution of Room-nights

- Min room-night = 1
- Max room-night = 1999
- Median room-night = 1003
- From 1 to 666 = low
- From 667 to 1332 = mid
- From 1333 to 1999 = high
- The graph shows the Distribution of Room-nights and it is clear that the Distribution of the three categories is too close With simple superiority for Mid demand room-nights



Net profit per room-nights categories

- The graph shows the Net profit per room-nights categories and of course that the high demand room-nights it's the most profitable and Mid category after it .





Thank You