

Capstone Project Group 6

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Project Proposal - Hotel Recommendation System

Intro the topic:

After 26 weeks of Bootcamp, we are ready to travel abroad for some rest and relaxation! We are betting that you are, too.

To save you some time before packing your bags, we have decided to create an easy-to-use tool to help predict which hotel is best suited for your traveling adventure!

Inspiration:

Data

<https://thecleverprogrammer.com/2021/02/13/hotel-recommendation-system-with-machine-learning/>

<https://www.kaggle.com/competitions/expedia-hotel-recommendations/overview>

Dashboard

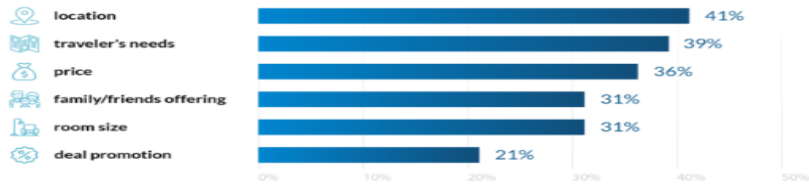
<https://financesonline.com/hospitality-statistics/>

<https://www.asherfergusson.com/5-star-hotels/>

3 Key Hospitality Statistics You Should Know

1 Top factors influencing accommodation decisions

Source: Expedia Group



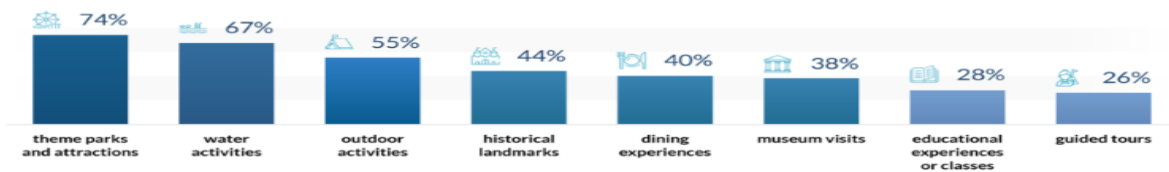
2 Key benefits of implementing new tech in the hospitality industry

Source: PwC

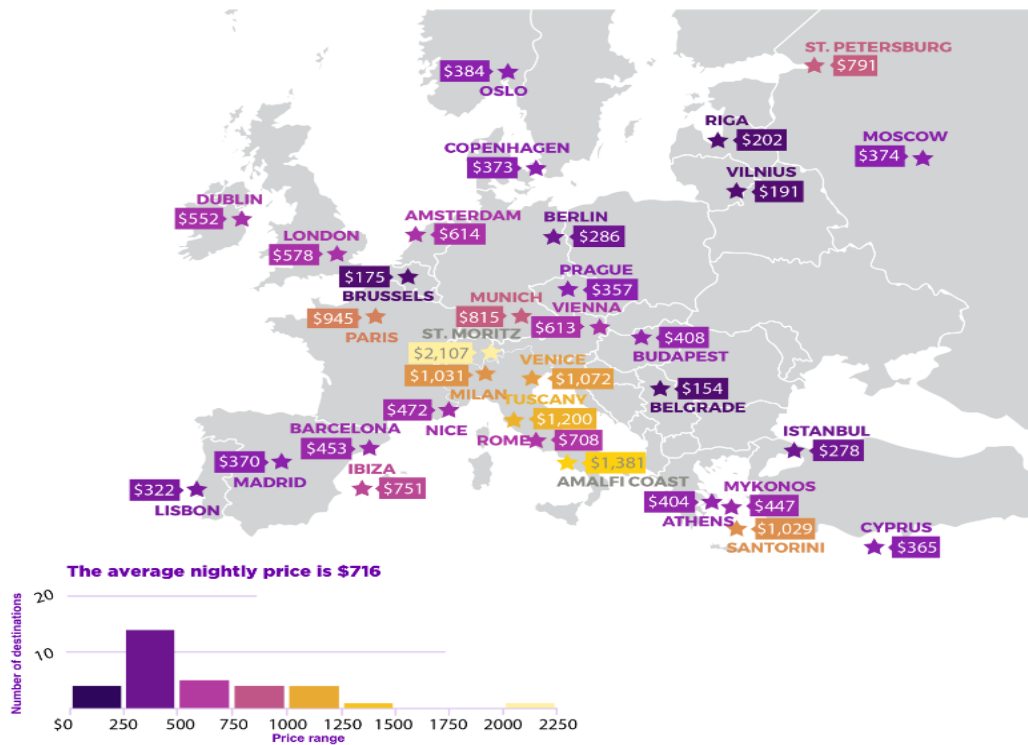


3 Top entertainment activities in the family itinerary

Source: Expedia Group

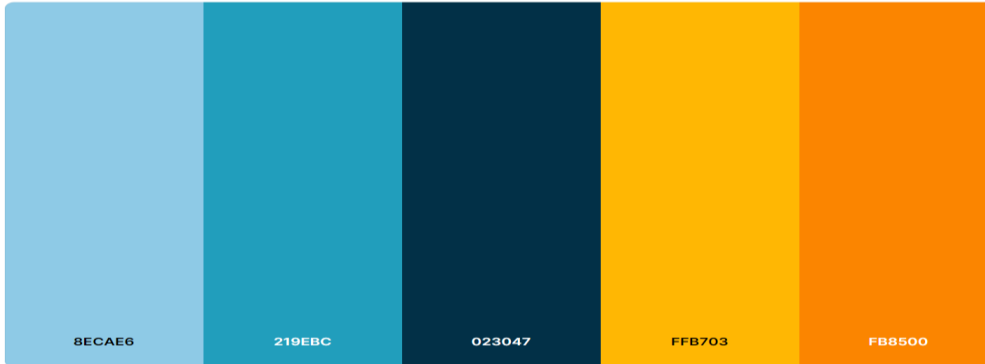


Average Price of 5-Star Hotels Across Europe



Colors:

<https://coolors.co/palette/8ecae6-219ebc-023047-ffb703-fb8500>



What you are predicting:

Highest ranking hotels based on user search parameters

Basic design concepts for dashboard:

Search parameter input fields and/or filters

Visualizations showing number and rankings of hotels that meet search parameters

Map showing selected hotel locations

Roles and responsibilities:

All-hands-on-deck approach, will assign appropriate roles as the project progresses