

A collage of travel-related items. In the background, there's a map with various locations and routes. Overlaid on the map is a passport page with several stamps. One circular stamp is dated 2014-01-09. A rectangular stamp is dated 2014-10-24. Another stamp is dated 25 JAN 2014. In the foreground, there are three Euro coins (one 1 Euro, two 2 Euro) and a 20 Euro banknote. A pair of sunglasses is visible in the top right corner. A small black object, possibly a phone or a wallet, is in the bottom left corner.

European Tourist Travel

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Purpose of our Project

We are creating an application designed to allow the user to explore travel trends in Europe gathered from a dataset.

Our data explores how, when, and why the various people traveled to Europe.

We hope our application can be used as an inspirational tool to plan their vacations to visit European cities.

About our Dataset

Our data provides us with various components of travel through Europe to help us understand how people prefer to travel in the countries and cities.

How do they travel to their region?

What type of place do they prefer to stay in?

Why did they travel to that city?

Modes Of Travel



Flight



Car



Bicycle



Bus



Train

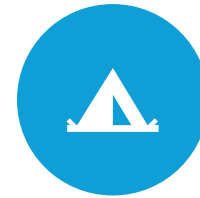
Accommodation Type



Hotel



Airbnb



Camping

Main Purpose

Leisure

Business

Family

Data Cleaning

We used a CSV in order to accumulate our data used to create the site.

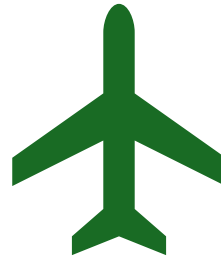
All that needed to be added to our data prior to creating the database was the latitude and longitude of the various cities.

After updating the CSV, we created a SQLite Database from the initial file.

Research Questions



What reason of travel had the most money spent on it?



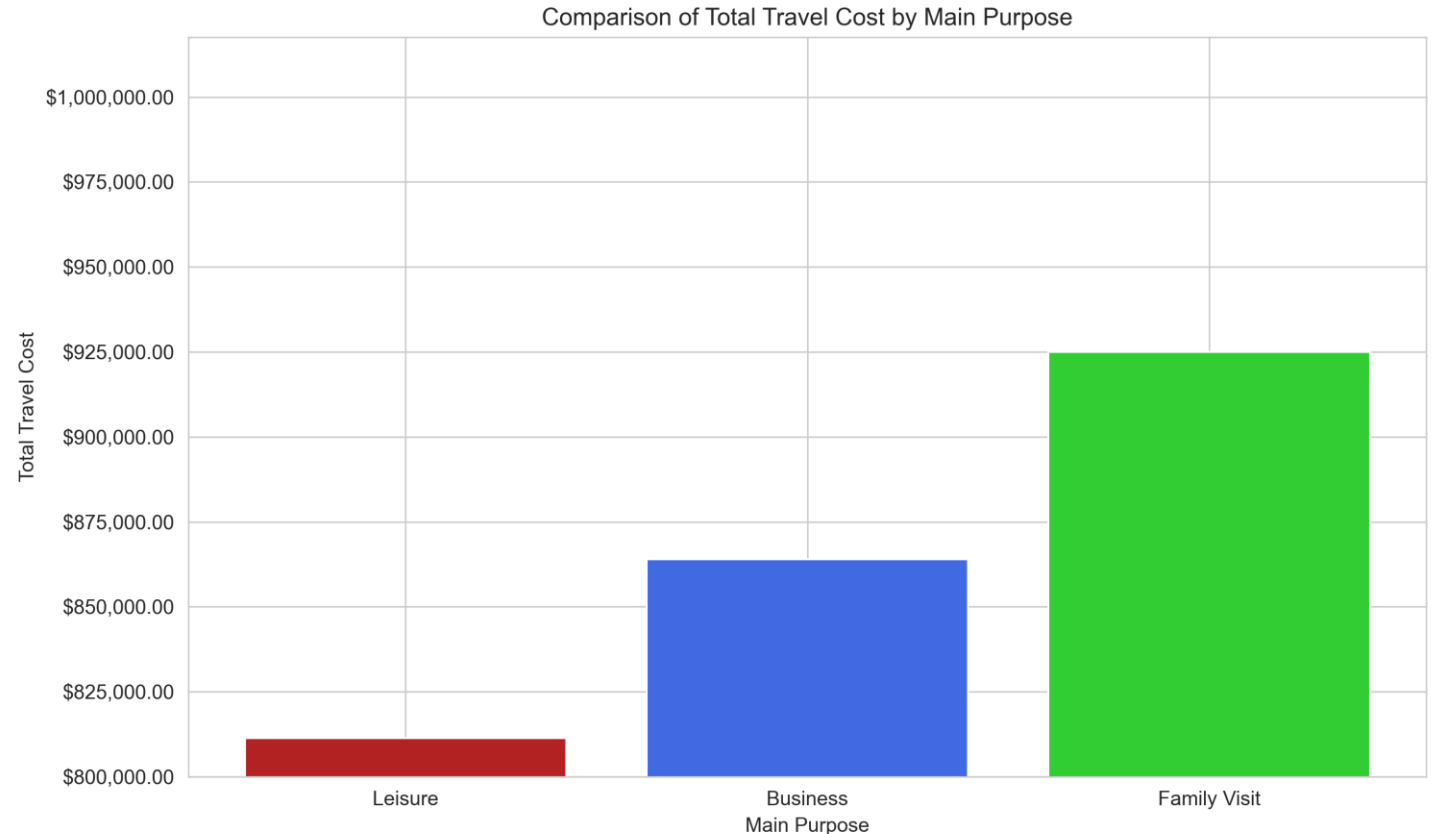
What mode of travel is the most common?



What countries received the most visitors?

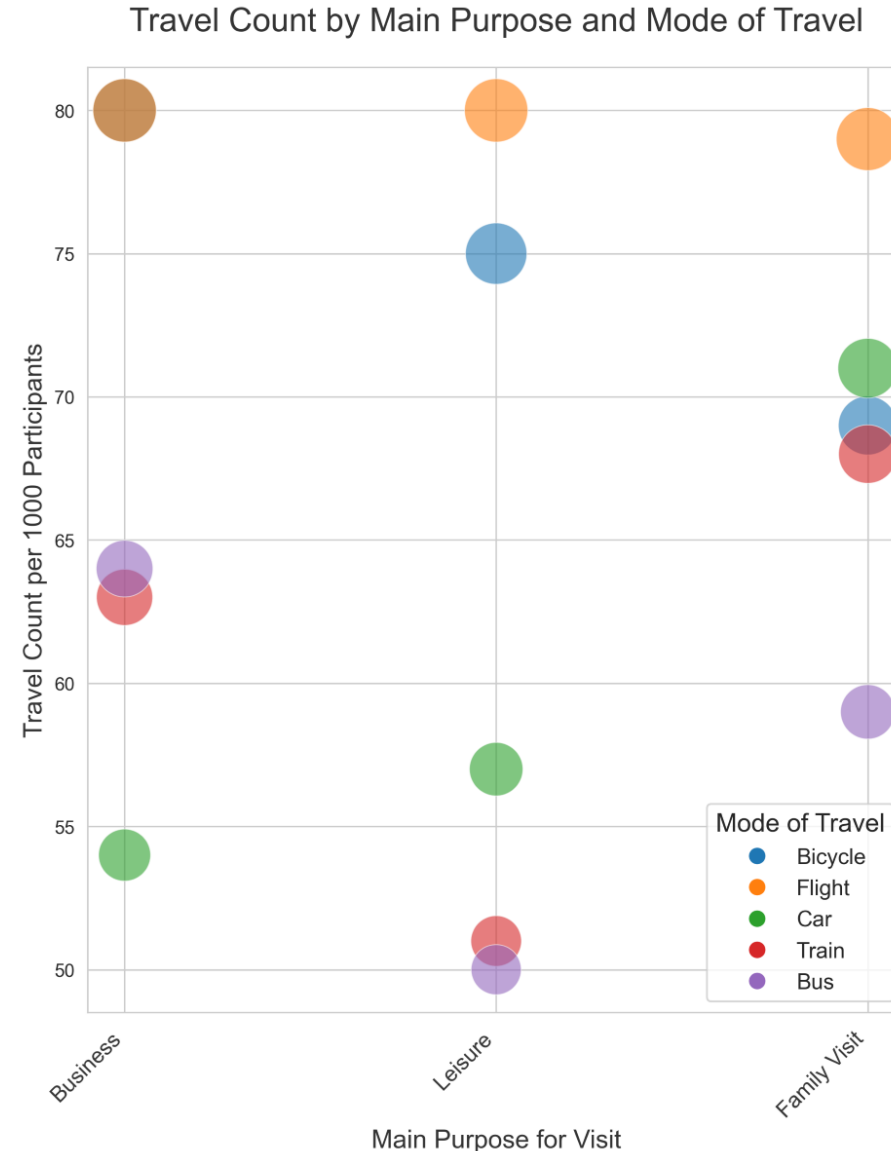
What reason of travel had the most money spent on it?

- Family visits account for the most money spent traveling at \$925,042,000.
- Business was Second at \$863,977,000.
- Leisure was Third at \$811,377,000.



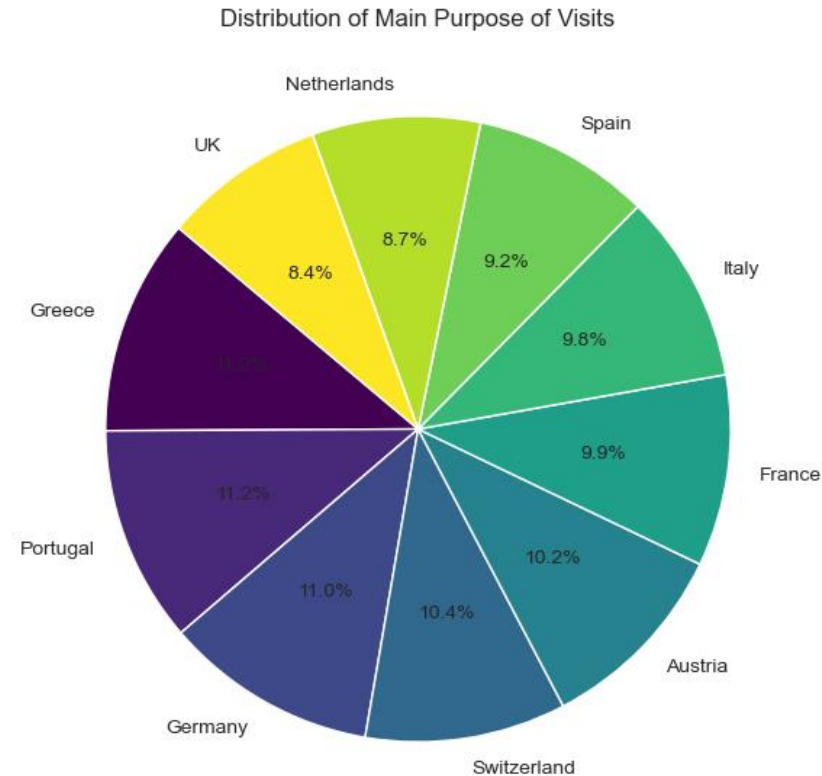
What mode of travel is the most common?

- Flight is the most common form of transportation to Europe.
- Bicycles were also very popularly used. This makes sense considering how common a mode of transportation it is for Europe.
- This is for the same reason that cars are uncommon. Many of the roads in Europe are smaller than average which better accommodates a bicycle rather than a car.



What countries received the most visitors?

- Greece and Portugal each occupied 11.2% of our Dataset.
- Germany was close behind with 11.0%.
- Austria and Switzerland were both in the low 10%.
- France, Italy, Spain, Netherlands, and UK all were less than 10% each of our dataset, with UK being the lowest at 8.4%.


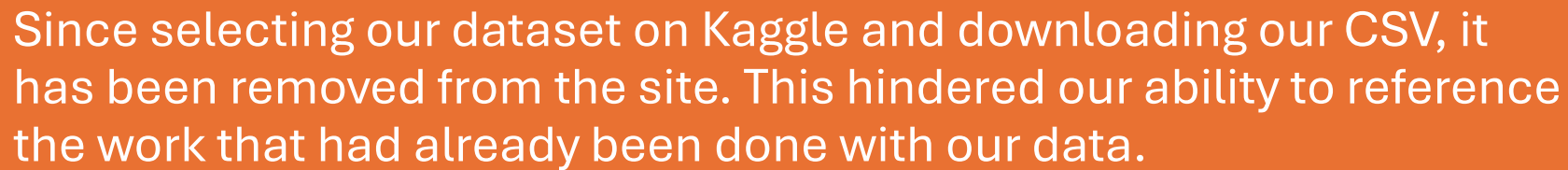





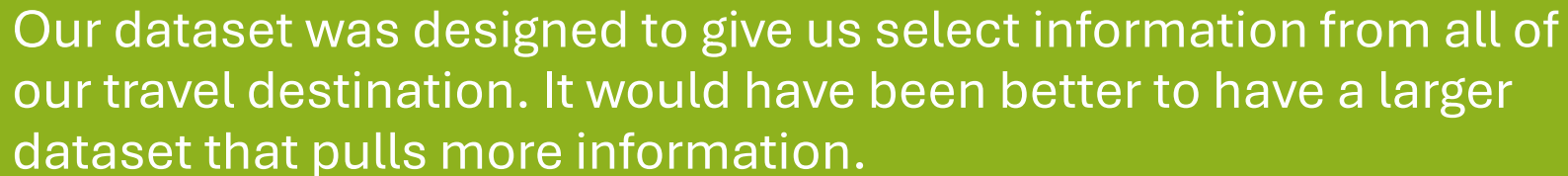
LIVE DEMO

Data Limitations and Bias

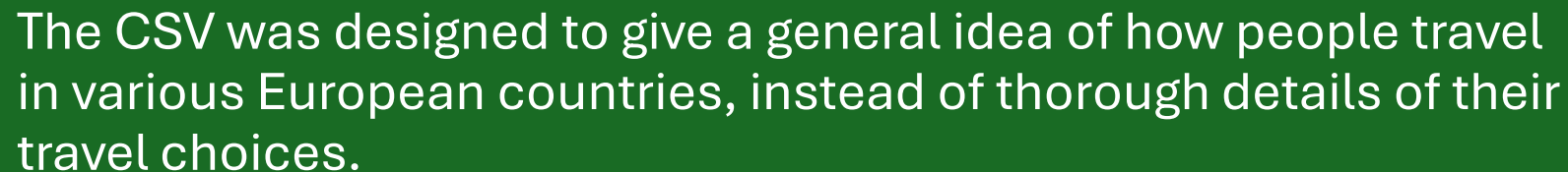
Since selecting our dataset on Kaggle and downloading our CSV, it has been removed from the site. This hindered our ability to reference the work that had already been done with our data.



Our dataset was designed to give us select information from all of our travel destination. It would have been better to have a larger dataset that pulls more information.



The CSV was designed to give a general idea of how people travel in various European countries, instead of thorough details of their travel choices.



Conclusions

From this dataset we see:

- Family is the most common reason for travel to Europe.
- Flights are the most common method of travel.
- Greece and Portugal are the most popular countries to visit.

Unexpectedly:

- Business is more common than Leisure.
- Bikes are more common than Cars.
- UK is the least popular region to travel to.



Call to Action

Visiting countries in Europe is most easily done by flight, but one should consider being prepared to use a bike while visiting because its easier to travel with.

If you are trying to avoid the popular tourist areas, looking into countries like France, Italy, Spain, Netherlands, and UK would be ideal.



Future Work

The data collected would be more effective if the demographic was expanded.

Only having 1000 entries in our data isn't as effective for helping those traveling to Europe plan their vacations.



Q&A