

Travel sentiment: "Understanding" expats

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My questions:

- When is the best time to travel
- Will you travel more when restrictions are lifted?
- Which activities are you more willing to do
- Which kind of trips are you more comfortable to do

Dataset and exploratory analysis:

```
In [5]: travel_sentiment.shape
```

```
Out[5]: (38, 7)
```

```
In [10]: travel_sentiment.describe()
```

```
Out[10]:
```

	Gender	Age range	Expat?	when do you think will be ok to travel again ?	Will you travel more after the lift of the restrictions?	With the end of the pandemic will you be comfortable to do the following:	Which kind of trip will you be more comfortable doing when the restriction are lifted?
count	38	38	38	38	38	38	38
unique	3	6	4	4	4	7	11
top	M	32 - 37	No	After you get covid vaccine.	Yes	Have dinner in a crowd restaurant	Caravan/Road trip
freq	17	12	20	13	17	16	8

```
In [20]: travel_sentiment["Expat?"].value_counts()
```

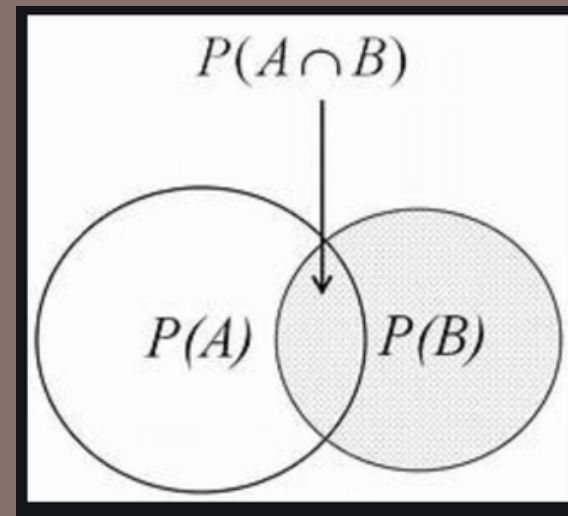
```
Out[20]: No          20
         Yes          16
         Erasmus student    1
         Erasmus          1
         Name: Expat?, dtype: int64
```

Answering questions with Statistical inference:

$$P(A|B) = P(A \cap B) / P(B)$$



Conditional probability



Answering questions:

When is the best time to travel?

$P(A)$ = travel only after 70% of the people get the vaccinated

$P(B)$ = being a expat

$P(A|B)$ =travel only after 70% of the people get the vaccinated given that is a expat



37%

Answering questions:

Will you travel more when restrictions
are lifted?

$P(A)$ = NOT travel more after the pandemic

$P(B)$ = being a expat

$P(A|B)$ = NOT travel more after the pandemic given that is a expat



5%

Answering questions:

Which activities are expats more comfortable to do

$P(A)$ = dining at a crowded restaurant

$P(B)$ = being an expat

$P(A|B)$ = dining at a crowded restaurant given that is an expat



21%

Answering questions:

Which kind of trips are you more comfortable to do

$P(A)$ = will probably do a cruise trip

$P(B)$ = being a expat

$P(A|B)$ = will probably do a cruise trip given that is a expat



2%

Conclusions:

We can conclude that there are no major findings in this analysis, although the curiosity regarding the sentiment of the expats with this situation still remains. What I believe is the same feeling as the majority of the people and no radical positions were found.

Next steps:

It would be interesting to extend the sample of this analysis and strengthened the questions so that we can analyze relations and not only probabilities.

THANK YOU

