

Report1

This bar is located in a city where the weather is fairly moderate. The average temperautre is around 22.53 c throughout the year. It doesn't snow.

The bar has the highest gross sales and number of guests on Sunday, a..

Executive Summary

Day Str
Tuesday

Average

Avg. Apparent Temperature High	22.34
Max. Humidity	0.85
Avg. Apparent Temperature Low	14
Avg. Gross Sales	13,099
Avg. Guests	999
Avg. Apparent Temperature Min	13
Avg. Dew Point	10
Avg. Cloud Cover	0.38
Avg. Pressure	1,015
Avg. Precip Intensity Max	0.16
Avg. Uv Index	7

Stanard Deviation

Std. dev. of Apparent Temperature High	4.41
Std. dev. of Apparent Temperature Low	4
Std. dev. of Gross Sales	1,933
Std. dev. of Guests	154
Std. dev. of Apparent Temperature Min	4
Std. dev. of Pressure	3
Std. dev. of Precip Intensity Max	0.51
Std. dev. of Uv Index	2
Std. dev. of Wind Speed	0
Std. dev. of Wind Gust	1
Std. dev. of Visibility	1.17
Std. dev. of Temperature Min	4

Maximum

Max. Apparent Temperature High	34.22
Max. Apparent Temperature Low	22
Max. Gross Sales	16,428
Max. Guests	1,298
Max. Apparent Temperature Min	22
Max. Pressure	1,026
Max. Precip Intensity Max	3.81

Minimum

Min. Apparent Temperature High	12.78
Min. Apparent Temperature Low	2
Min. Gross Sales	2,947
Min. Guests	229
Min. Apparent Temperature Min	2
Min. Pressure	1,007
Min. Precip Intensity Max	0.00
Min. Uv Index	2

Report1

This bar is located in a cit..

The bar has the highest gross sales and number of guests on Sunday, and the lowest on Tuesday.

Interestingly, average sales on ..

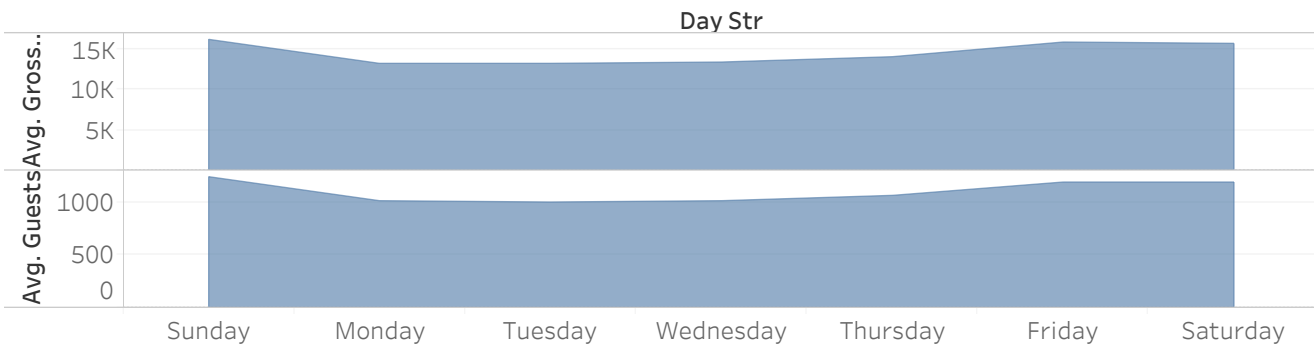
Sales Summary

Day of Week
Tuesday

Sales Summary - Average

Avg. Gross Sales	13,099
Avg. Guests	999

Sales by Day of the Week

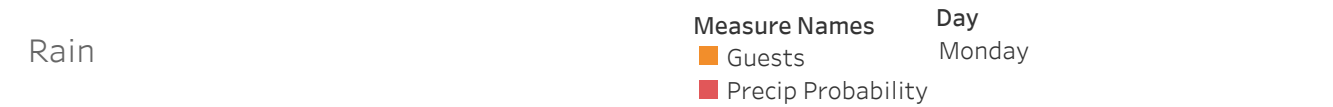


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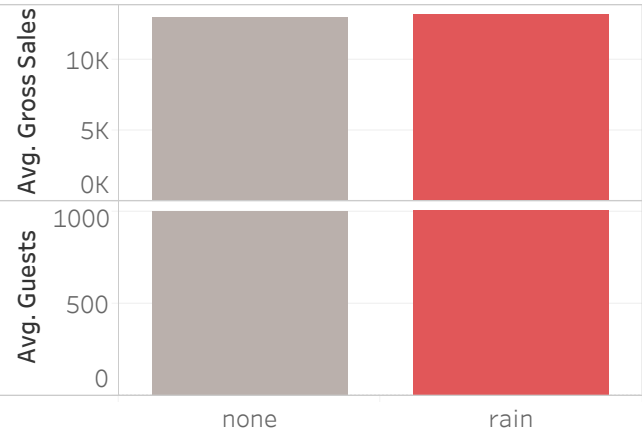
The bar has the highest gross s..

Interestingly, average sales on rainy days is slightly higher than non-rainy days, which is quite contrary to our assumptions.

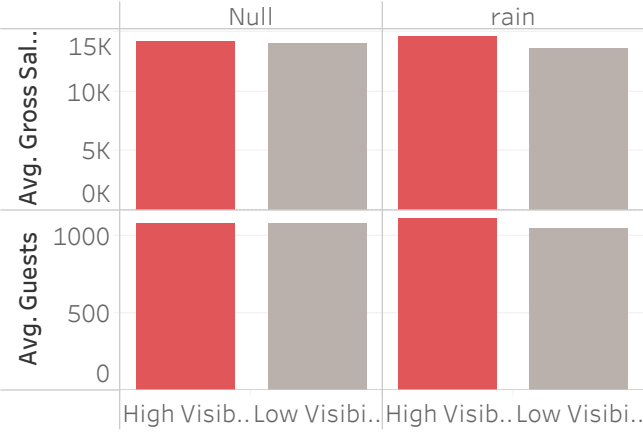
It's more likely that rain is not a ..



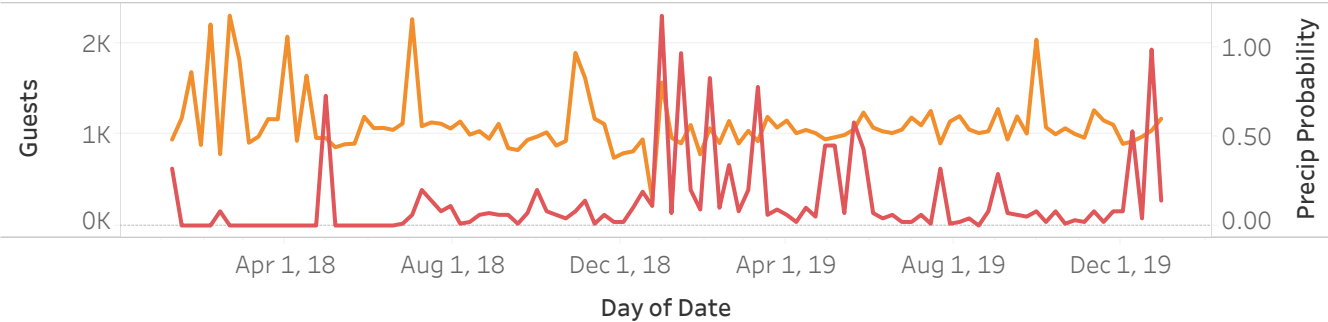
Rain / No Rain



Rain + Visibility



Precip Probabilty

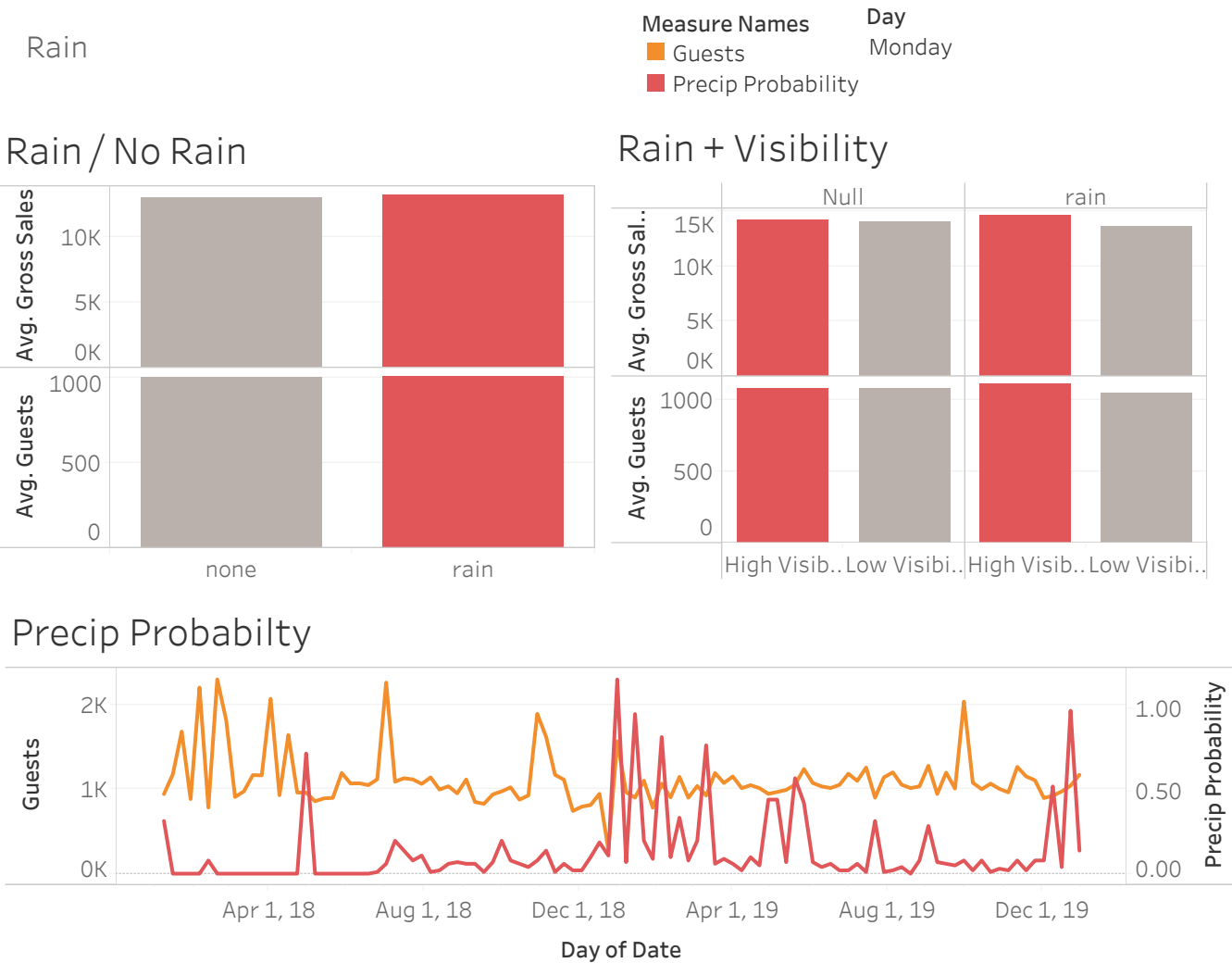


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Interestingly, average sales ..

It's more likely that rain is not a big factor to people's willingness to go out to bar in this city, so this higher sales can be due to chance. We can be more sur..

Another less likely possibility i..

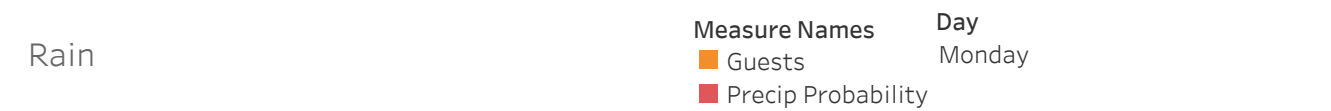


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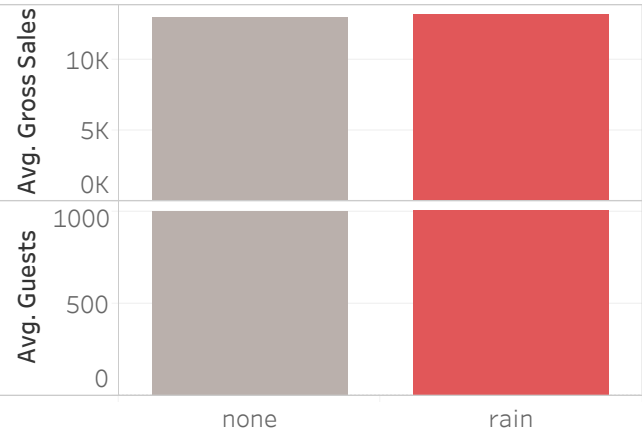
It's more likely that rain is not..

Another less likely possibility is that people in this city do like going to this bar more on rainy days....

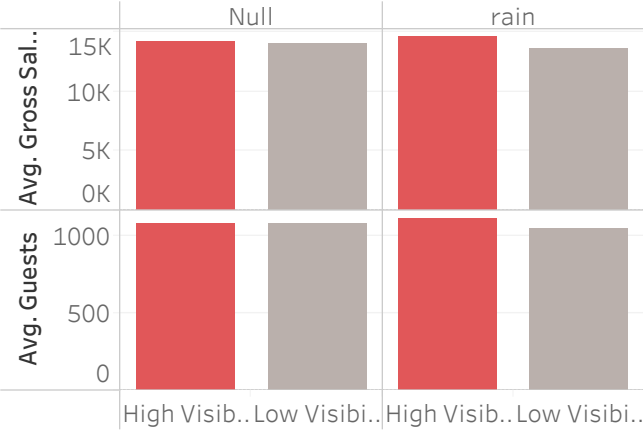
It's apparant that the bar has more..



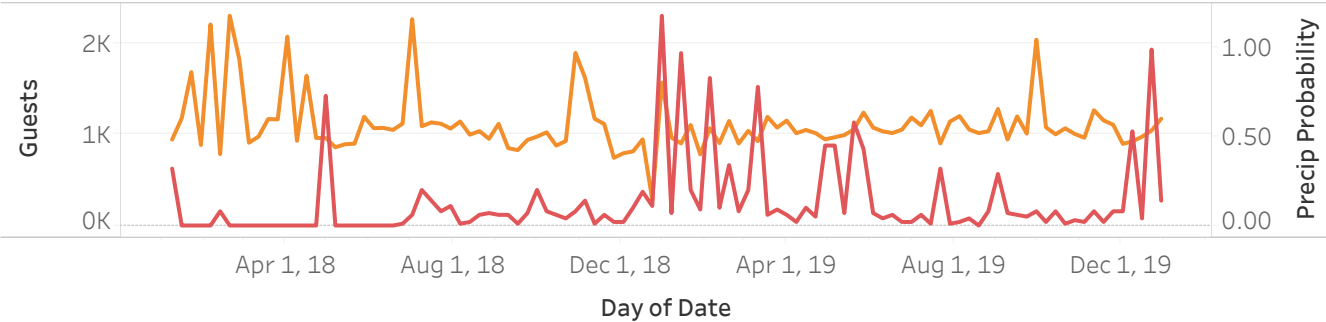
Rain / No Rain



Rain + Visibility



Precip Probabilty



Report1

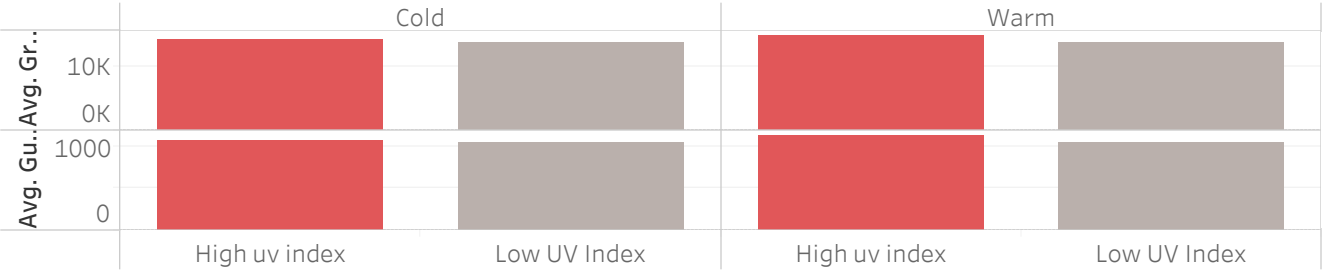
Another less likely possibilit..

It's apparant that the bar has more sales when the uv index is higher, wheater on cold days or warm days. Sales is also higher when it's dryer.

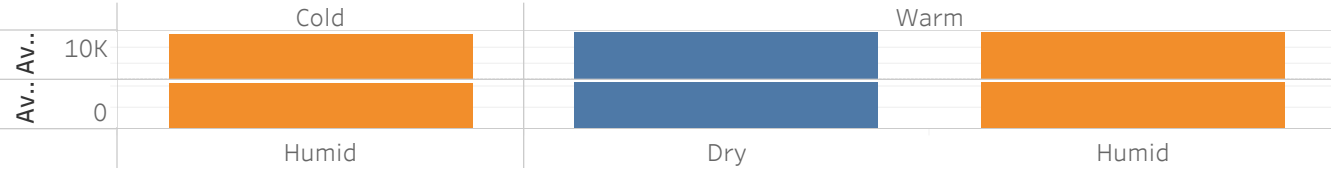
After looking into the linear relatio..



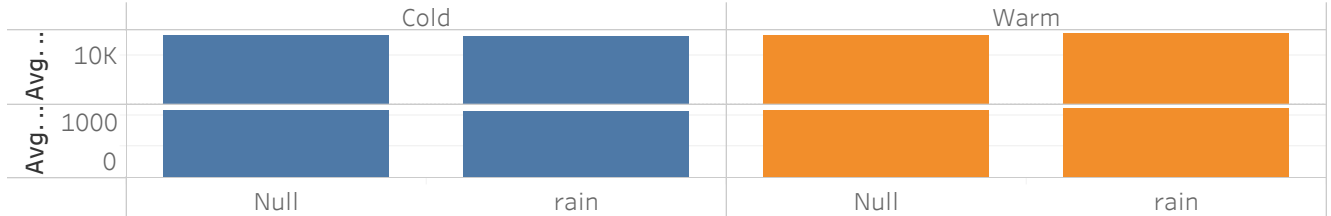
Temp +UV



Temp + Humidity



Temp + Rain



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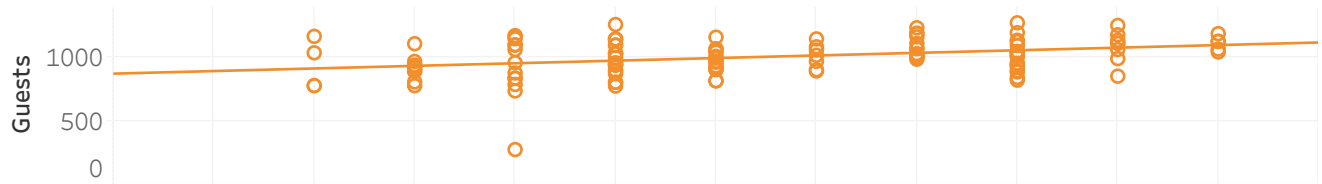
It's apparant that the bar ha..

After looking into the linear relationships of the attributes and guests, below are 4 of the most significant ones. But of course, none of them alone can be e..

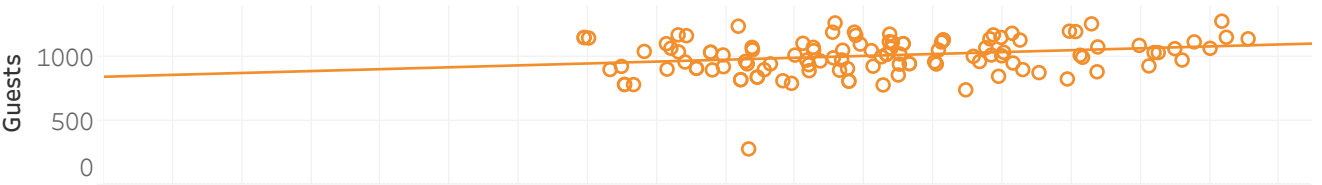
These are the less significant attrib..

Significant Attributes

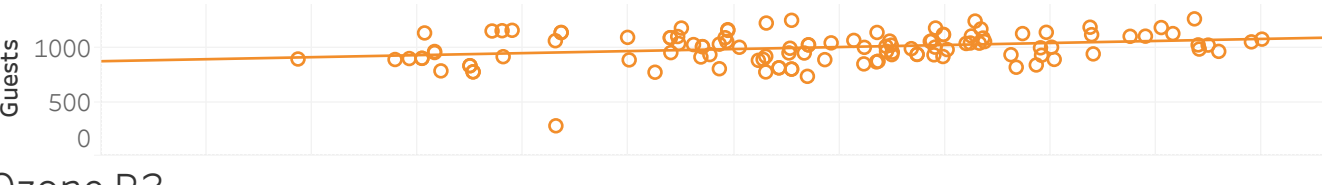
UV Index



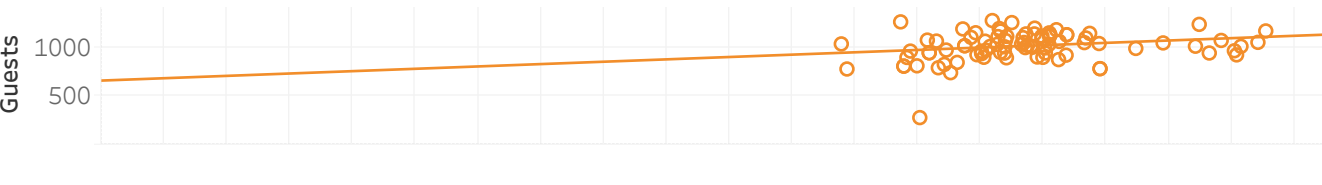
Apparent Temp Max



Apparent Temp Min R2



Ozone R2



Report1

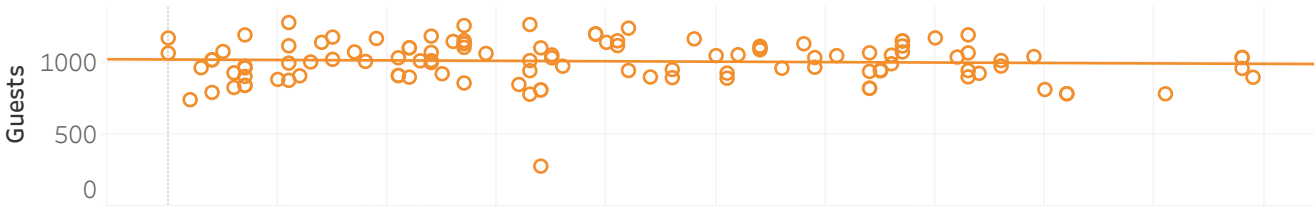
After looking into the linear ..

These are the less significant attributes. The purpose of showing them is to just give a overview of what's not so important to sales to this bar.

The purpose of the story is to gi..

Non-significant Attributes

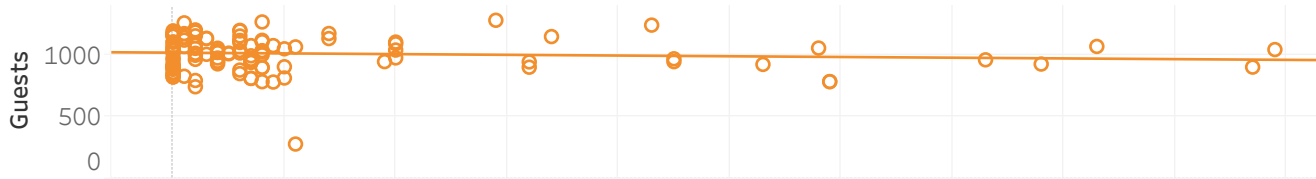
Cloud Cover_R2



Visibility_R2



Precip Probability_R2



Report1

These are the
less significant..

The purpose of the story is to give an overview of the analysis done and how
to proceed from it.

More detailed
dashboards can ..

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The purpose of the story is to give an overview of the analysis done a..

More detailed dashboards can be produced for reporting needs and predictive models can be developed.