MARVELLOUS ISIJOLA

Data Profiling

Seattle’s weather

Space Needle skyline with a tall tower

Description automatically generated

Seattle, a city on Puget Sound in the Pacific Northwest, is surrounded by water, mountains and evergreen forests, and contains thousands of acres of parkland. Washington State’s largest city, it’s home to a large tech industry, with Microsoft and Amazon headquartered in its metropolitan area. The futuristic Space Needle, a 1962 World’s Fair legacy, is its most iconic landmark.

For my data profiling assignment, I have found a spreadsheet containing Seattle’s weather from the beginning of 2012 to the end of 2013.

A screenshot of a computer

Description automatically generated

INFORMATION ON THE DATASET

This dataset talks about the precipitation, max temperature per day, minimum temperature per day, wind speed and the main weather type per day and I will be elaborating on their contents and noting down my observations below.

ANALYSIS OF WEATHER

I will be talking about the individual weather types and how the temperature wind speed and precipitation were affected by them.

RAIN

A screenshot of a computer

Description automatically generated

As shown above, days having this weather type during that time period had a precipitation as high as 54.1 inches or mm or cm(not sure the measurement used in the spreadsheet) and quite surprisingly, 44 days that were recorded as rainy had precipitation of 0 with an average precipitation of 5.27, so that just shows that day on which 54.1 inches or cm or mm was recorded on a freak day.

A screenshot of a computer

Description automatically generated

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Description automatically generated

As shown above, the minimum temperature recorded on ‘rainy’ days was -1.7 degrees Celsius and the maximum temperature recorded on a ‘rainy’ day was 28.3 degrees Celsius with said days having a minimum average temperature of 7.28 and a maximum average temperature of 13.18.

A screenshot of a computer

Description automatically generated

The maximum wind speed recorded on rainy days was 9.5 mph and the minimum wind speed recorded on rainy days was 0.9 mph. Rainy days had an average wind speed of 3.60 mph.

DRIZZLE

A screenshot of a computer

Description automatically generated

As shown above, days having this weather type during that time period had a precipitation styaed strictly at zero every time it drizzled, so there is no max, minimum or average precipitation.

A screenshot of a computer

Description automatically generated

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Description automatically generated

As shown above, the minimum temperature recorded on ‘drizzly’ days was -3.9 degrees Celsius and the maximum temperature recorded on a ‘drizzly’ day was 25.6 degrees Celsius with said days having a minimum average temperature of 6.06 degrees Celsius and a maximum average temperature of 14.13 degrees Celsius.

A screenshot of a computer

Description automatically generated

The maximum wind speed recorded on days in which it drizzled was 4.7 mph and the minimum wind speed recorded on ‘drizzly’ days was 0.6 mph. The said days had an average wind speed of 2.35 mph.

SUN

A screenshot of a computer

Description automatically generated

As shown above, days having this weather type during that time period had a precipitation remained strictly at zero every time it was sunny because there is no form of prcepitation typically on a sunny day, so there is no max, minimum or average precipitation.

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Description automatically generated

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As shown above, the minimum temperature recorded on sunny days was -7.1 degrees Celsius and the maximum temperature recorded on a sunny day was 34.4 degrees Celsius with said days having a minimum average temperature of 8.97 degrees Celsius and a maximum average temperature of 19.43 degrees Celsius.

A screenshot of a computer

Description automatically generated

The maximum wind speed recorded on sunny days was 7.3 mph and the minimum wind speed recorded on sunny days was 0.4 mph. Sunny days had an average wind speed of 2.85 mph.

FOG

A blue rectangle with black lines

Description automatically generated

As shown above, days having this weather type during that time period had a precipitation stayed strictly at zero every time it was foggy, so there is no max, minimum or average precipitation.

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Description automatically generated

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Description automatically generated

As shown above, the minimum temperature recorded on foggy days was 0.6 degrees Celsius and the maximum temperature recorded on a foggy day was 28.9 degrees Celsius with said days having a minimum average temperature of 9.76 degrees Celsius and a maximum average temperature of 19.80 degrees Celsius.

A close-up of a white background

Description automatically generated

The maximum wind speed recorded on foggy days was 3.8 mph and the minimum wind speed recorded on foggy days was 0.9 mph. Foggy days had an average wind speed of 2.19 mph.

SNOW

A close-up of a list of words

Description automatically generated

As shown above, days having this weather type during that time period had a minimum precipitation of 0.3 inches or cm or mm , and a maximum precipitation of 23.9 cm or mm or inches, with an average preciptation of 8.90.

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A screenshot of a computer

Description automatically generated

As shown above, the minimum temperature recorded on snowy days was -3.3 degrees Celsius and the maximum temperature recorded on a snowy day was 11.1 degrees Celsius with said days having a minimum average temperature of 0.36 degrees Celsius and a maximum average temperature of 5.62 degrees Celsius.

A screenshot of a computer

Description automatically generated

The maximum wind speed recorded on snowy days was 7 mph and the minimum wind speed recorded on rainy days was 1.6 mph. Sunny days had an average wind speed of 4.37 mph.