Bike Rental Dashboard

Select Dataset

- Day
- Hour

Created with ❤️ by Siti Alamiah

Bike Rental Data Exploration

	instant	dteday	season	yr	mnth	holiday	weekday	workingday	weathersit	temp
0	1	2011-01-01	1	0	1	0	6	0	2	0.3442
1	2	2011-01-02	1	0	1	0	0	0	2	0.3635
2	3	2011-01-03	1	0	1	0	1	1	1	0.1964
3	4	2011-01-04	1	0	1	0	2	1	1	0.2
4	5	2011-01-05	1	0	1	0	3	1	1	0.227

Exploratory Data Analysis

PyplotGlobalUseWarning: You are calling `st.pyplot()` without any arguments. After December 1st, 2020, we will remove the ability to do this as it requires the use of Matplotlib's global figure object, which is not thread-safe.

To future-proof this code, you should pass in a figure as shown below:

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>>> fig, ax = plt.subplots()
>>> ax.scatter([1, 2, 3], [1, 2, 3])
>>>    ... other plotting actions ...
>>> st.pyplot(fig)
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You can disable this warning by disabling the config option: `deprecation.showPyplotGlobalUse`

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st.set_option('deprecation.showPyplotGlobalUse', False)
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or in your `.streamlit/config.toml`

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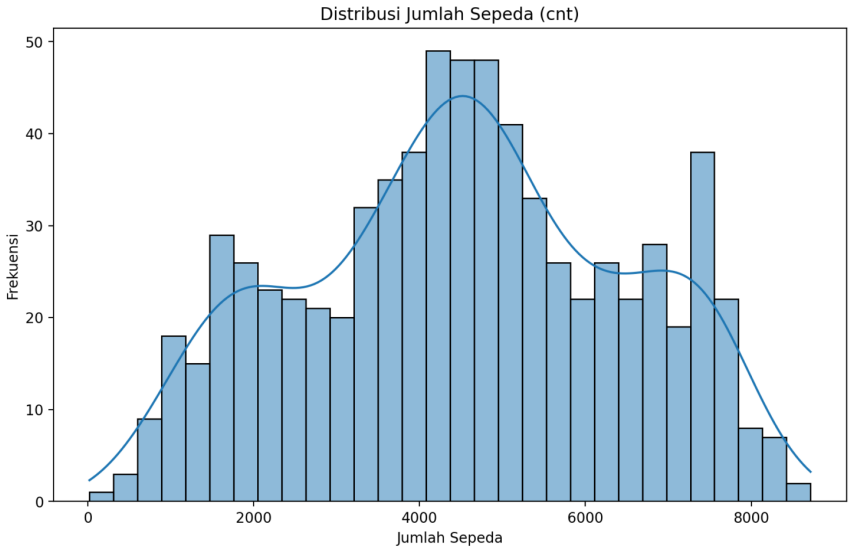

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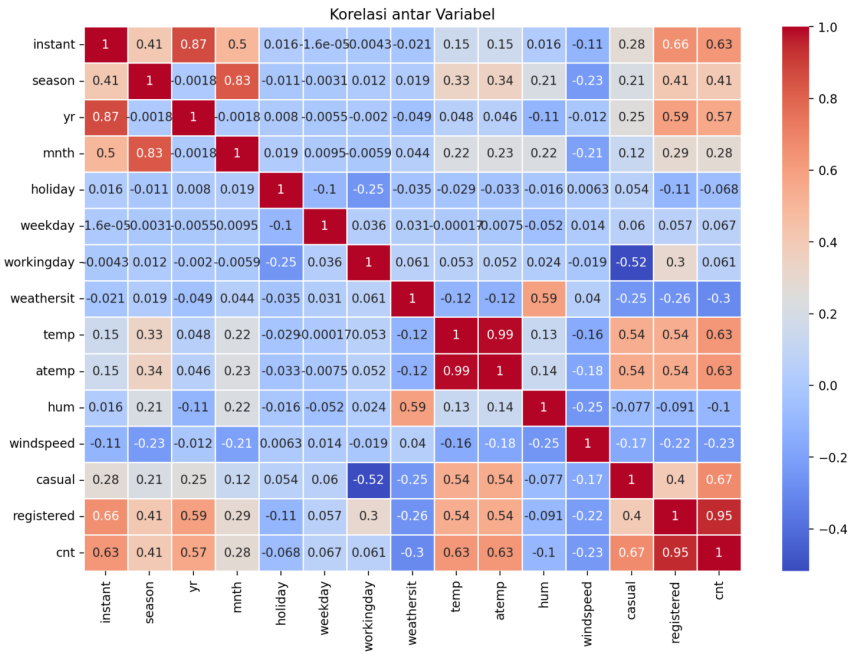

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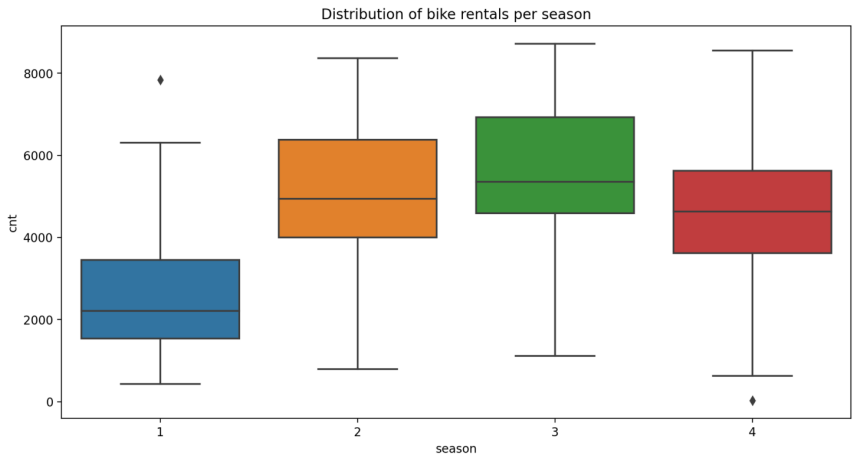

Data Visualization

Tren Penggunaan Sepeda (2011-2012)

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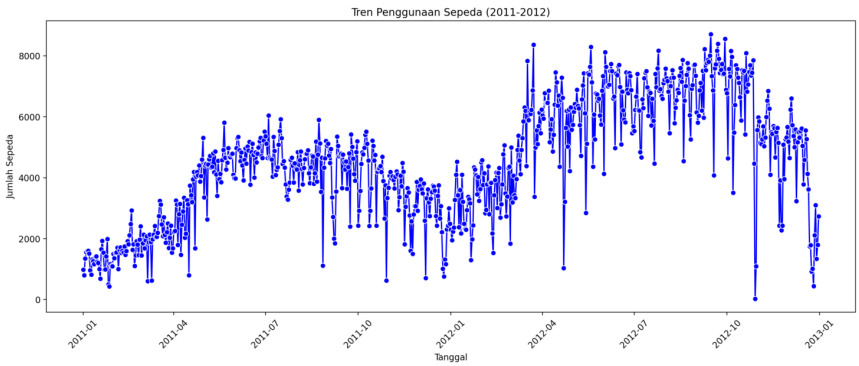

Analisis tren penggunaan sepeda per jam dari tahun 2011 hingga 2012 menunjukkan perubahan visual menggunakan line plot. Dengan mengelompokkan data per tanggal, kita dapat melihat bagaimana penggunaan sepeda berfluktuasi sepanjang waktu, memberikan gambaran visual yang kuat.

Hubungan dengan Kondisi Cuaca

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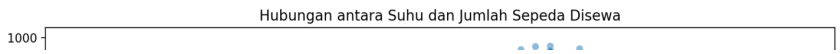

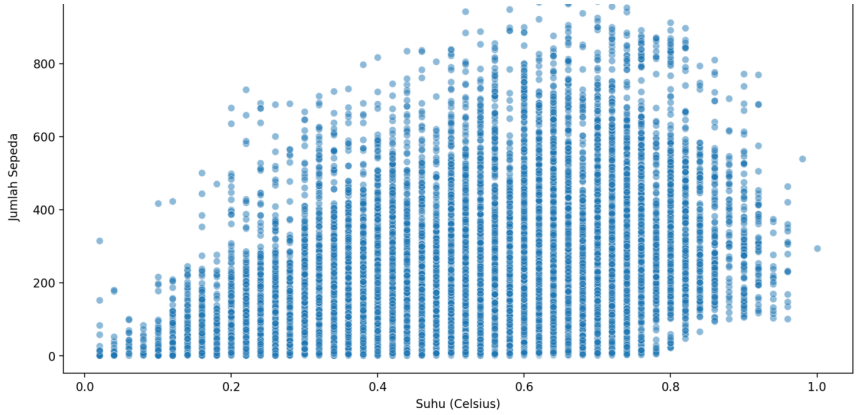

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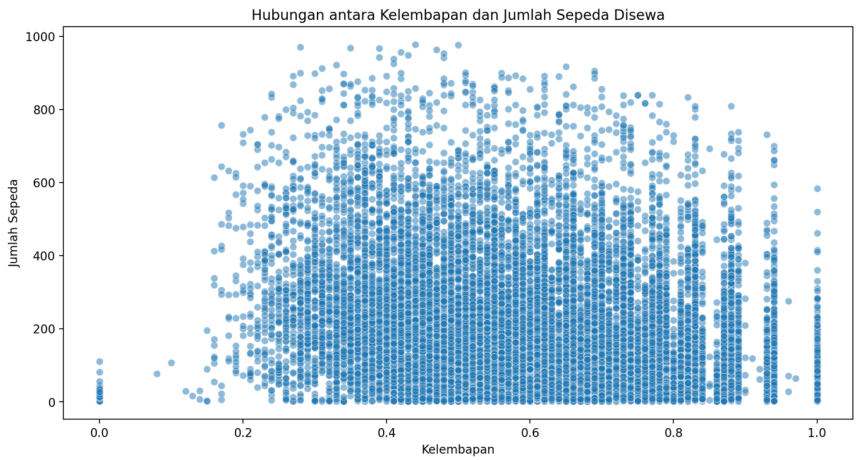

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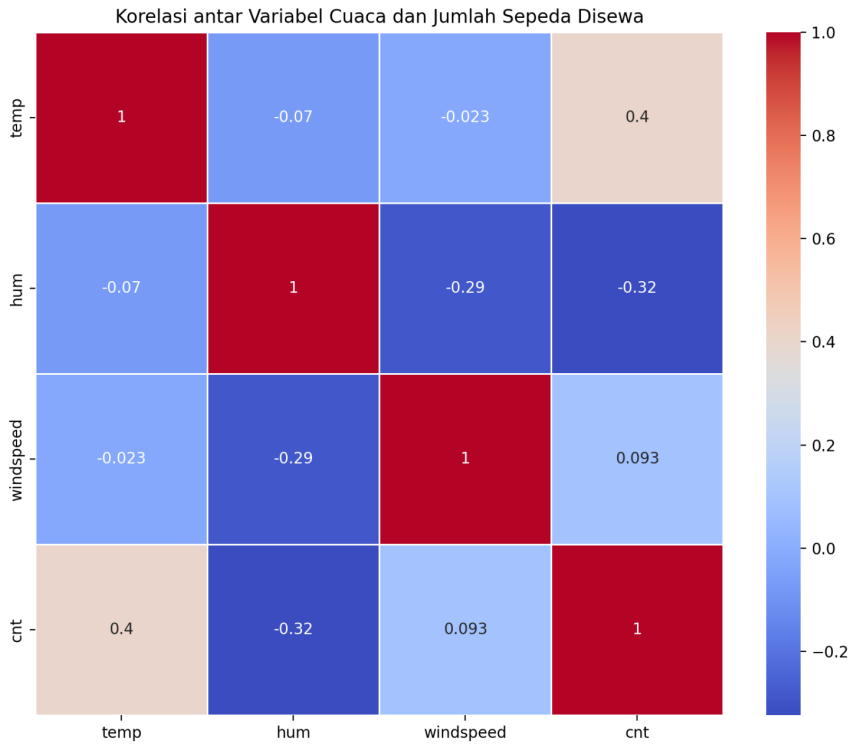

Evaluasi hubungan antara suhu, kelembapan, dan kecepatan angin dengan penggunaan sepeda per jam menggunakan scatter plot dan heatmap korelasi memperlihatkan pola hubungan antara variabel cuaca dan jumlah sepeda yang disewa.

Membangun Model Prediksi

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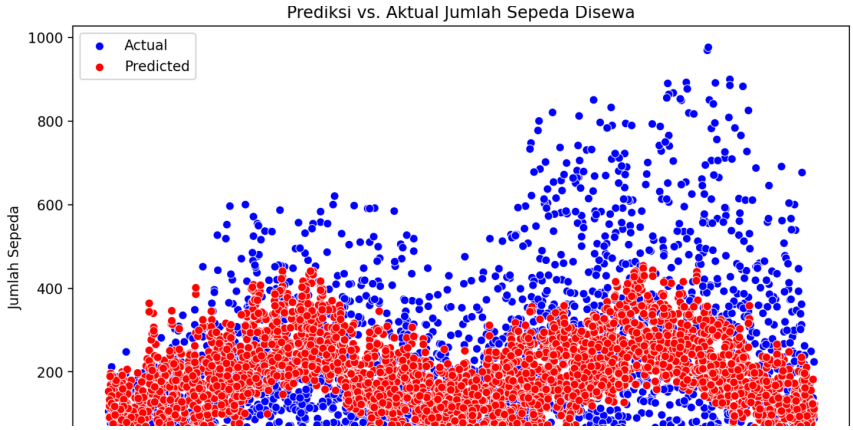
Prediksi vs. Aktual Jumlah Sepeda Disewa
Actual
Predicted
Jumlah Sepeda
1000
800
600
400
200