# 1 Challenge

**Muhamad Rizal Arfiyan - 22.11.5227 - IF11**

https://github.com/rizalarfiyan/big-data

[1]:
```
# fix seaborn issue: https://github.com/mwaskom/seaborn/issues/3431
import warnings

import matplotlib.pyplot as plt
import pandas as pd
import seaborn as sns

warnings.filterwarnings("ignore")

df = pd.read_csv("iris.csv")

sns.FacetGrid(df, hue="Species", palette="husl").map(
    sns.kdeplot, "PetalLengthCm"
).add_legend()

plt.text(
    0.5,
    0.5,
    "Muhamad Rizal Arfiyan - 22.11.5227",
    fontsize=16,
    color="black",
    ha="center",
    va="center",
    alpha=0.2,
    transform=plt.gcf().transFigure,
    rotation=30,
)

sns.FacetGrid(df, hue="Species", palette="husl").map(
    sns.kdeplot, "SepalLengthCm"
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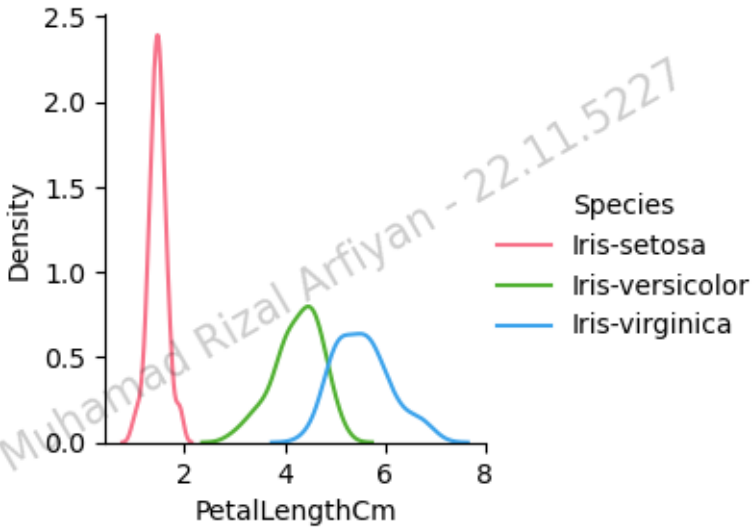
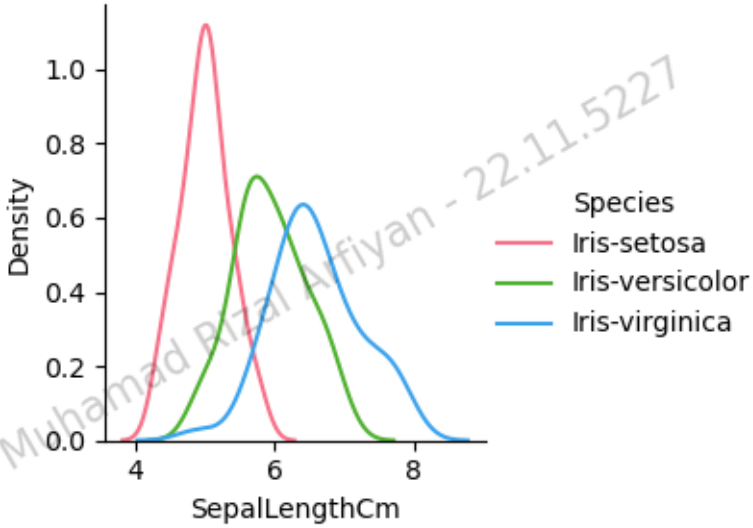
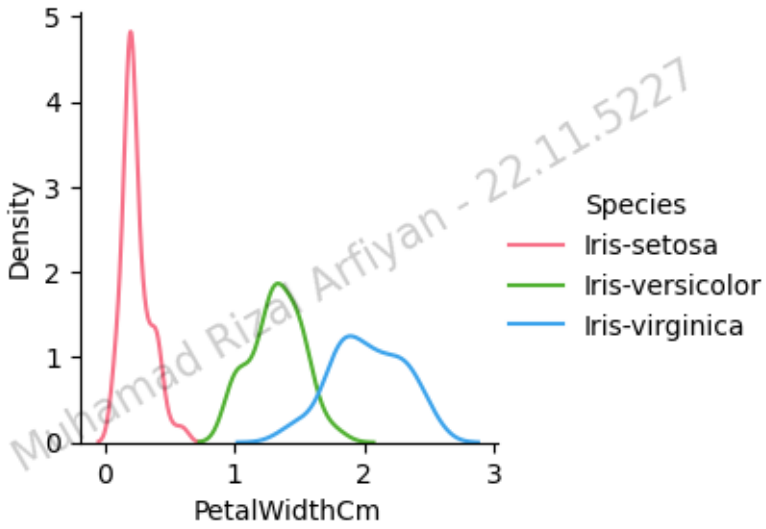
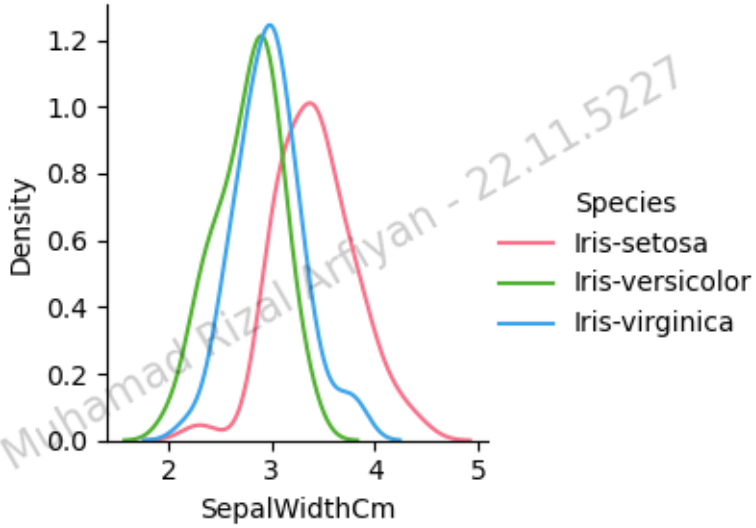
```

[1]: Text(0.5, 0.5, 'Muhamad Rizal Arfiyan - 22.11.5227')


Density
PetalLengthCm
Species
Iris-setosa
Iris-versicolor
Iris-virginica
Muhamad Rizal Arfiyan - 22.11.5227


Density
SepalLengthCm
Species
Iris-setosa
Iris-versicolor
Iris-virginica
Muhamad Rizal Arfiyan - 22.11.5227




[2]:
```
sns.FacetGrid(df, hue="Species", palette="husl").map(
    sns.regplot, "SepalLengthCm", "SepalWidthCm"
).add_legend()

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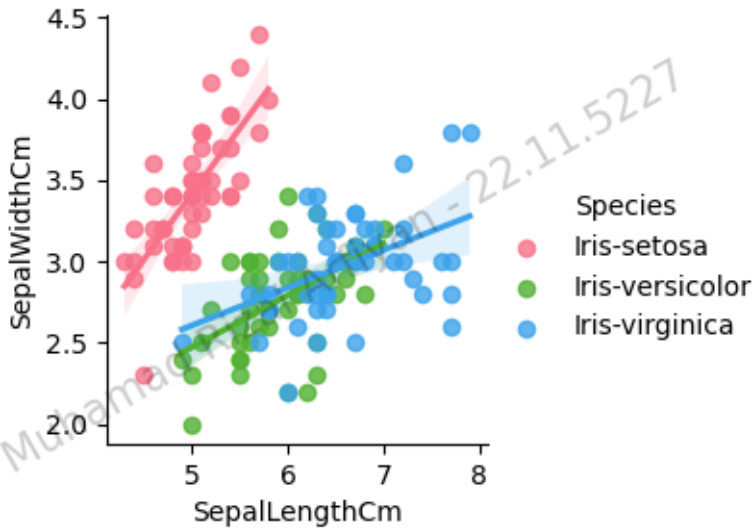

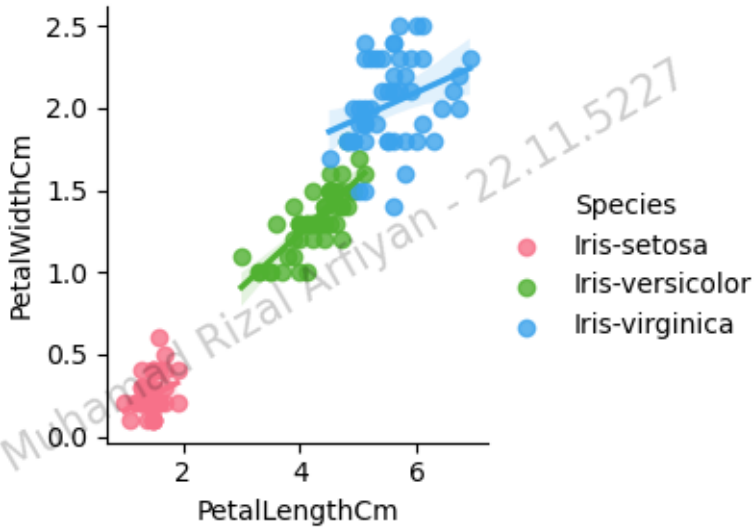
2.5
2.0
1.5
1.0
0.5
0.0
PetalWidthCm
2
4
6
PetalLengthCm
Species
Iris-setosa
Iris-versicolor
Iris-virginica
Muhamad Rizal Arifyan - 22.11.5227