



**National Textile
University**

DATA SCIENCE: ASSIGNMENT# 01

Title:

SEABORN GRAPHS

Submitted To:

Respected, Sir Dr. Haseeb Ahmad

Submitted By:

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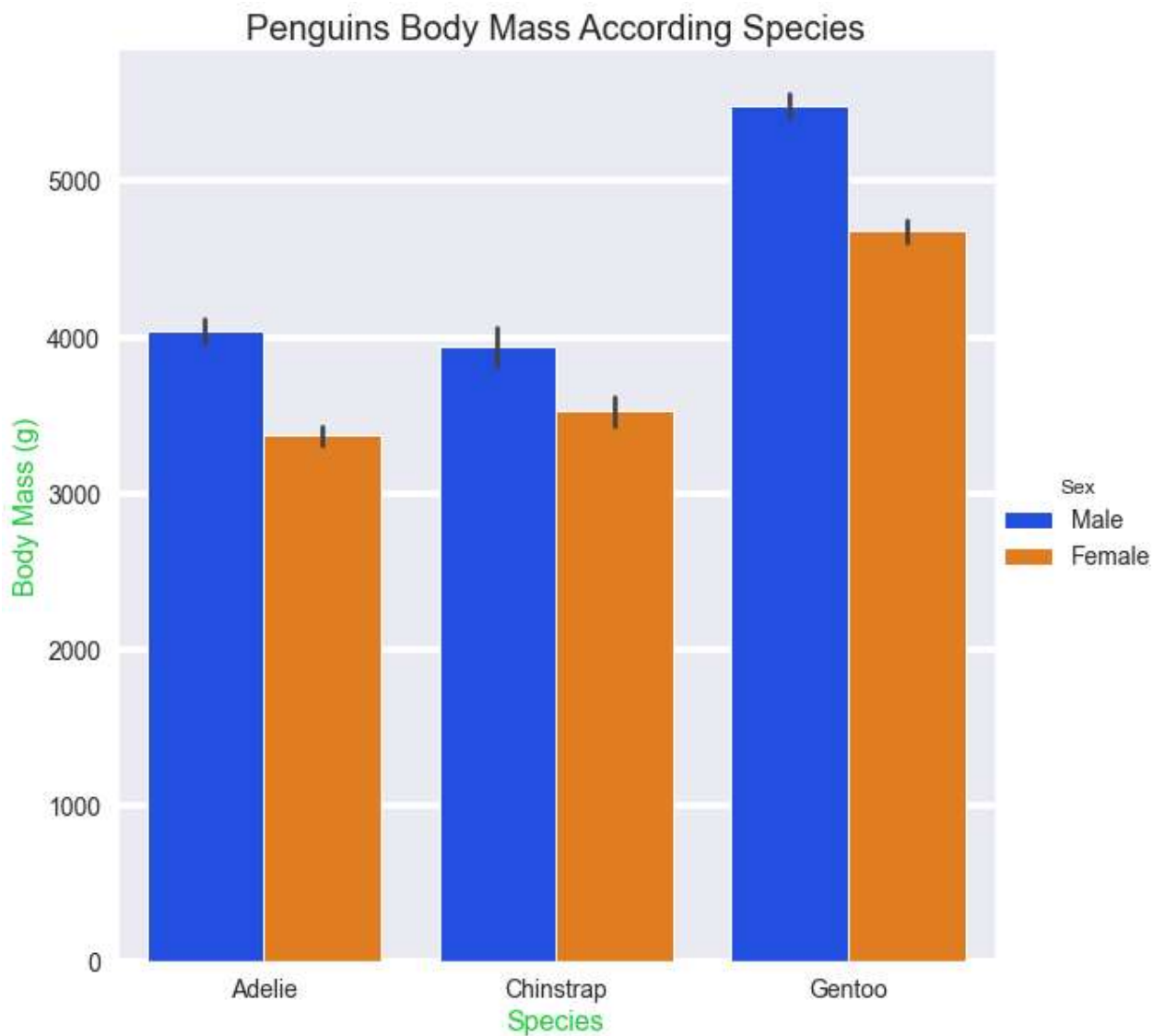
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```
In [150... import seaborn as sns
sns.set_theme(style="darkgrid", palette='bright',rc={'axes.titlesize': 20,
'grid.linewidth': 4,'legend.fontsize': 14,
'xtick.labelsize': 14,'ytick.labelsize': 14,})

penguins = sns.load_dataset("penguins")

# Draw a nested barplot by species and sex
bar = sns.catplot(
    data=penguins, kind="bar",
    x="species", y="body_mass_g", hue="sex",
    height=8
).set(title="Penguins Body Mass According Species")
bar.despine(offset=0,right=True)
bar.set_axis_labels("Species", "Body Mass (g)",fontsize=16,color='g')
bar.legend.set_title("Sex")
```



```
In [151... import seaborn as sns
sns.set_theme(style="darkgrid", palette="bright",rc={'axes.titlesize': 20,
'grid.linewidth': 4,'legend.fontsize': 14,
'xtick.labelsize': 14,'ytick.labelsize': 14,})

# Load the example tips dataset
```

```
tips = sns.load_dataset("tips")

# Draw a nested boxplot to show bills by day and time
box = sns.catplot(
    data=tips, kind="box",
    x="day", y="total_bill", hue="smoker",
    palette=["r", "y"],
    height=8
).set(title="Smoker Bill")
box.despine(offset=20, right=True)
box.set_axis_labels("Day", "Total Bill", fontsize=16, color='b')
box.legend.set_title("Smoker")
```

