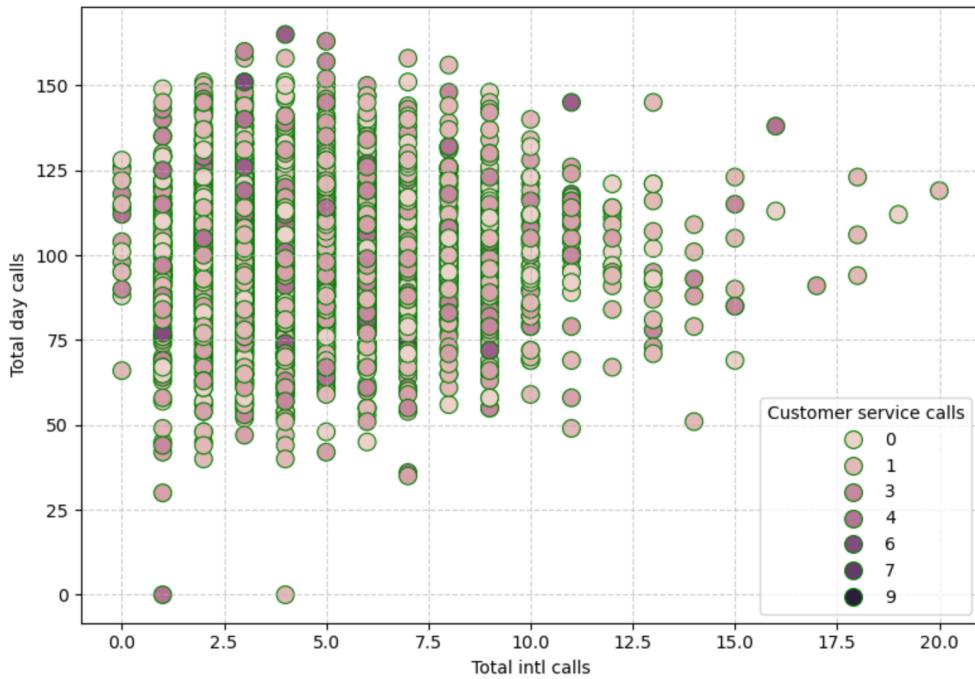


Log Book:-

Week3:-

Using columns: 0 and 5

Bicolour Feature Interaction Diagram (SID: 2454205)
Total intl calls vs Total day calls



```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
SID = "2454205"
last_digit = int(SID[-1])
second_last_digit = int(SID[-2])
if last_digit == second_last_digit:
    last_digit = (last_digit + 1) % 10
print(f"Using columns: {second_last_digit} and {last_digit}")
df = pd.DataFrame(data)
col_x = "Total intl calls"
col_y = "Total day calls"
plt.figure(figsize=(8, 6))
sns.scatterplot(
    data=df,
    x=col_x,
    y=col_y,
```

```
hue="Customer service calls",
s=100,
edgecolor="Green"
)
plt.title(f"Bicolour Feature Interaction Diagram (SID:
{SID})\n{col_x} vs {col_y}")
plt.xlabel(col_x)
plt.ylabel(col_y)
plt.grid(True, linestyle='--', alpha=0.6)
plt.tight_layout()
plt.show()
```