**Log Book Week-3**

**Code:**

SID = "2463439"

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="blue"

)

plt.title(f"Bicolour feature interaction diagram (SID: {SID})\n{col\_x} vs {col\_y}")

plt.xlabel(col\_x)

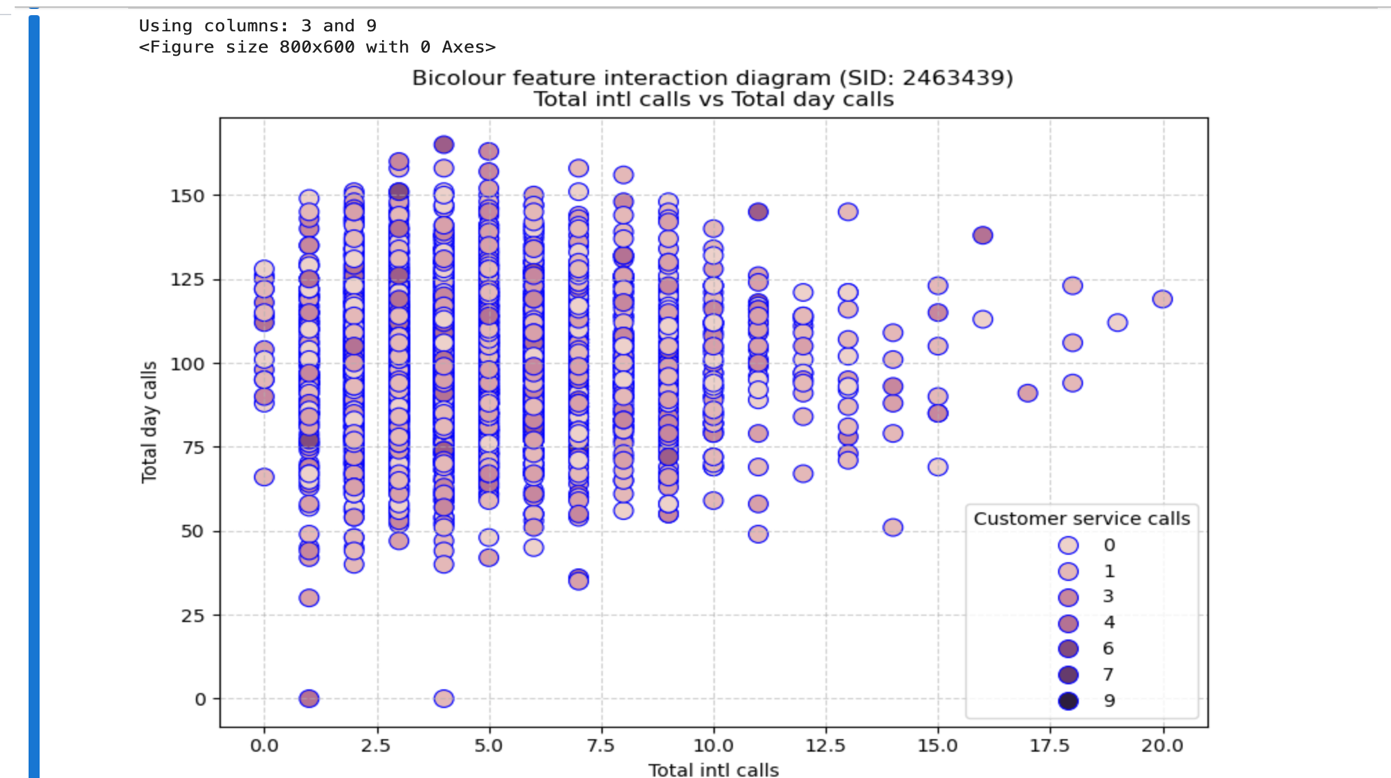
plt.ylabel(col\_y)

plt.grid(True, linestyle='--', alpha=0.6)

plt.tight\_layout()

plt.show()

**Output(fig):-**

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