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Code

JupyterLab

Python



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Code

JupyterLab

Python 3 (ipykernel)

```
# Let's say df is your DataFrame and these are your columns
columns = [
    'PhoneService', 'MultipleLines', 'InternetService',
    'OnlineSecurity', 'OnlineBackup', 'DeviceProtection',
    'TechSupport', 'StreamingTV', 'StreamingMovies'
]

# Set up the plot grid size
n_cols = 3
n_rows = (len(columns) + n_cols - 1) // n_cols

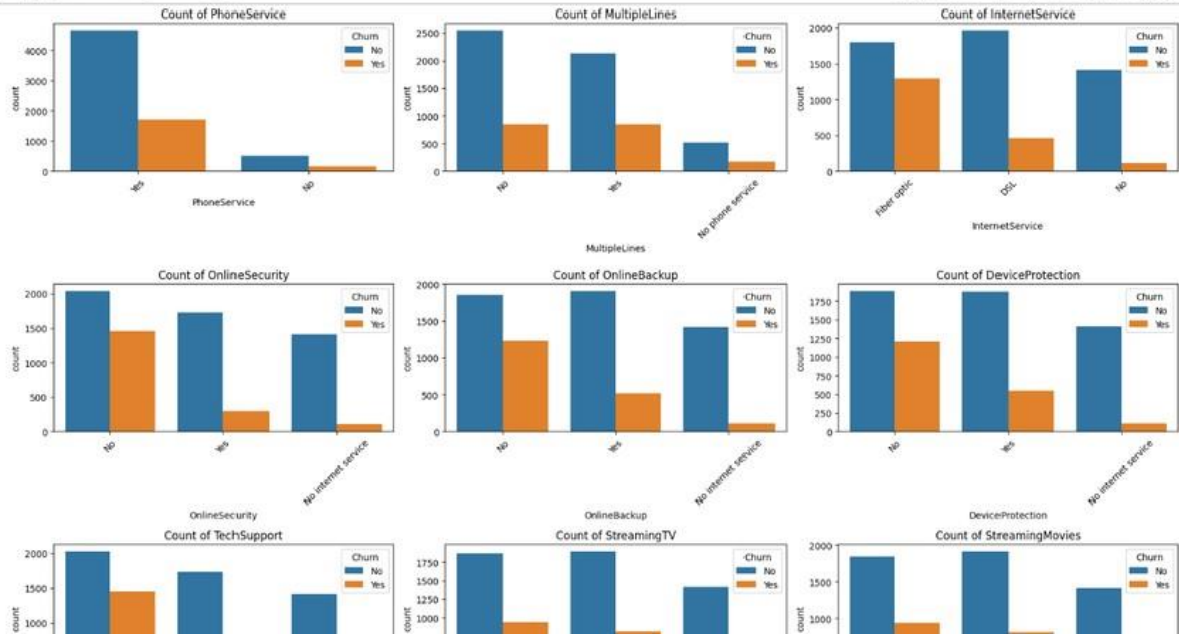
# Create subplots
fig, axes = plt.subplots(n_rows, n_cols, figsize=(18, 12))
axes = axes.flatten()

# Loop through each column and make a countplot
for i, col in enumerate(columns):
    sns.countplot(data=df, x=col, ax=axes[i], order=df[col].value_counts().index, hue = df["Churn"])
    axes[i].set_title(f'Count of {col}')
    axes[i].tick_params(axis='x', rotation=45)

# Hide any unused subplots
for j in range(i + 1, len(axes)):
    fig.delaxes(axes[j])

plt.tight_layout()
plt.show()
```





```
05:11: plt.figure(figsize=(6,4))
ax = sns.countplot(x="PaymentMethod", data=df, hue="Churn")
ax.bar_label(ax.containers[0])
plt.title("Count of customers by PaymentMethod")
plt.xticks(rotation=45)
plt.show()
```

