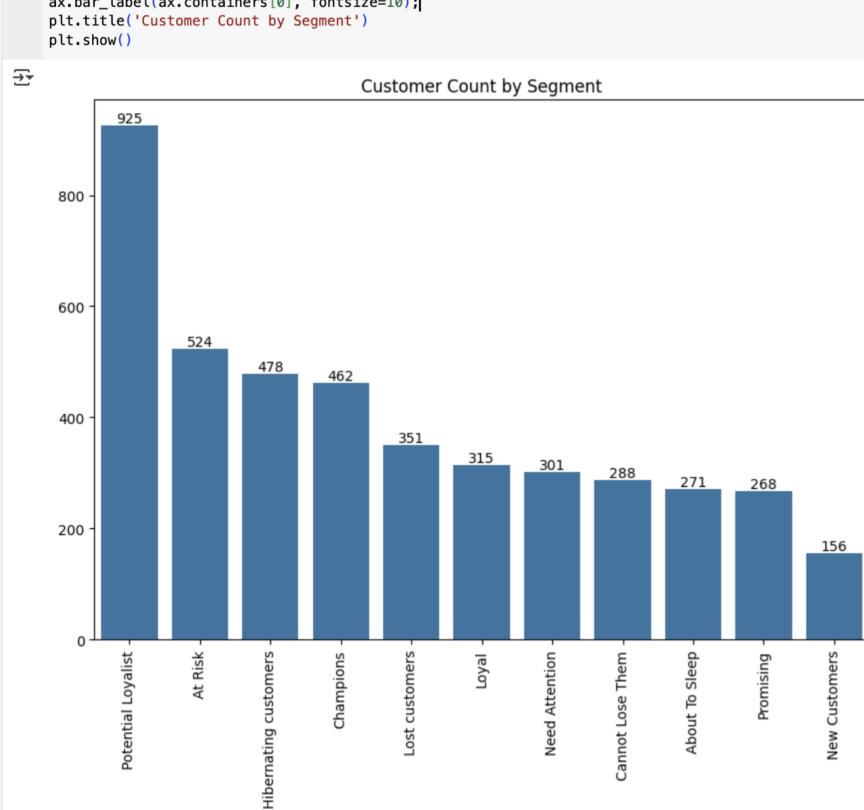
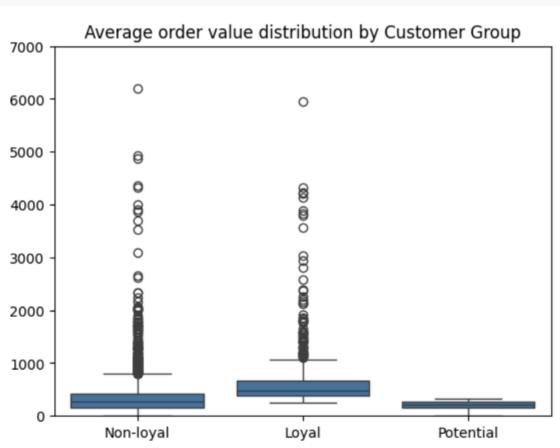
```
#customer count by segment
plt.figure(figsize=(10, 7))
ax = sns.barplot(data=df_bar, x='Segment', y='Count')
ax.set_ylabel('')
plt.xticks(rotation=90)
ax.bar_label(ax.containers[0], fontsize=10);
plt.title('Customer Count by Segment')
plt.show()
```

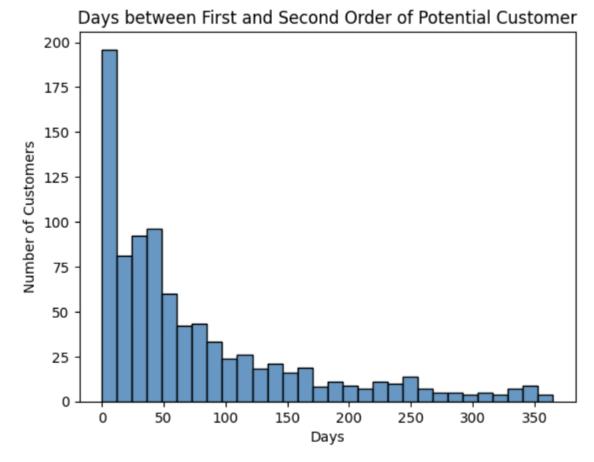


Segment

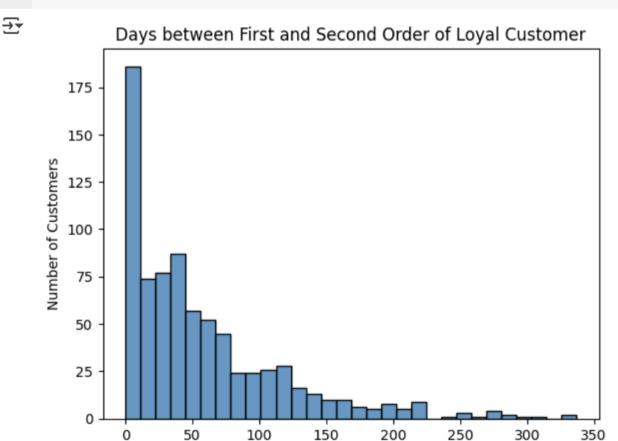


```
#Days Between First and Second Order of Potential Customer
sns.histplot(data=potential_order_dates, x='DaysBetweenOrders', bins=30)
plt.title('Days between First and Second Order of Potential Customer')
plt.xlabel('Days')
plt.ylabel('Number of Customers')
plt.show()
```



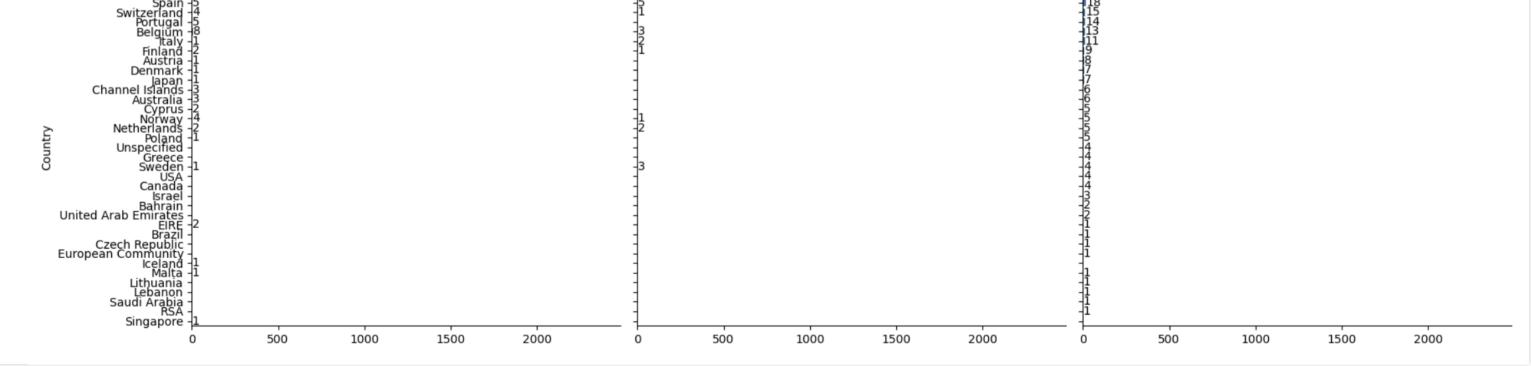


```
#Days Between First and Second Order of Loyal Customer
sns.histplot(data= loyal_order_dates, x='DaysBetweenOrders', bins=30)
plt.title('Days between First and Second Order of Loyal Customer')
plt.xlabel('Days')
plt.ylabel('Number of Customers')
plt.show()
```



Days





```
[ ] #use stacked column chart to normalize
    pivot_data = country_dis.pivot(index='Country', columns='CustomerGroup', values='CustomerCount').fillna(0)

pivot_pct = pivot_data.div(pivot_data.sum(axis=1), axis=0)

pivot_pct.plot(kind='bar', stacked=True, figsize=(14,6), colormap='Set2')

plt.title('Proportion of Customer Groups by Country')

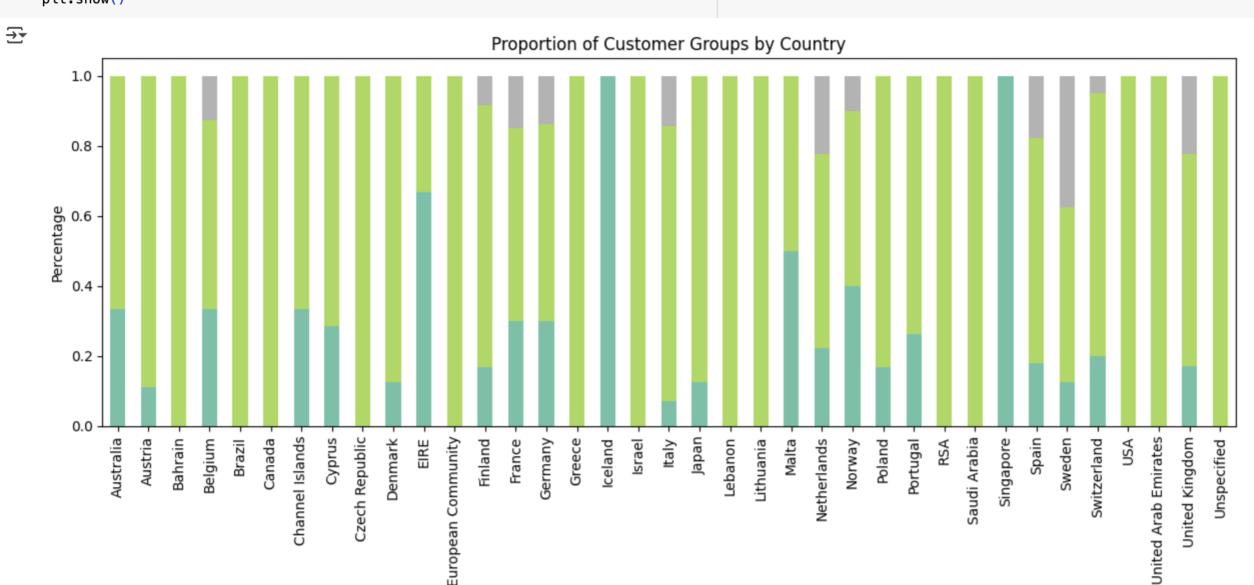
plt.ylabel('Percentage')

plt.xticks(rotation=90)

plt.legend(title='Customer Group', bbox_to_anchor=(1.05, 1), loc='upper left')

plt.tight_layout()

plt.show()
```



Country

Customer Group

Loyal

Non-loyal

Potential