1- Montly sales Analysis

fig.show()



Monthly Sales Analysis



2-Sales Analysis by category

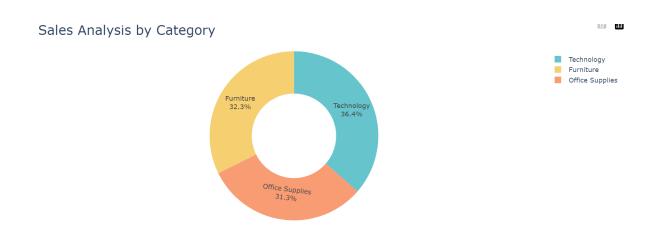
```
sales_by_category = data.groupby('Category')['Sales'].sum().reset_index()
fig = px.pie(sales_by_category,
```

```
values='Sales',
names='Category',
hole=0.5,
color_discrete_sequence=px.colors.qualitative.Pastel)

fig.update_traces(textposition='inside', textinfo='percent+label')

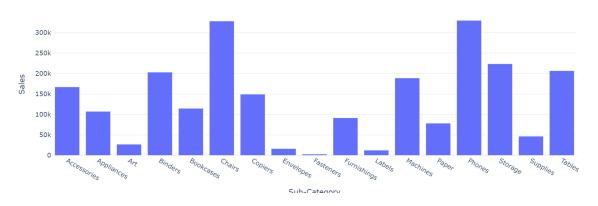
fig.update_layout(title_text='Sales Analysis by Category', title_font=dict(size=24))

fig.show()
```



3-Sales Analysis by sub-category





4- Monthly profit Analysis

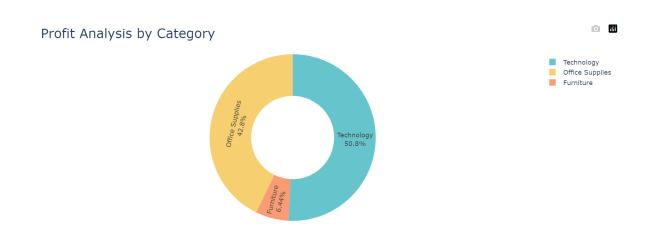




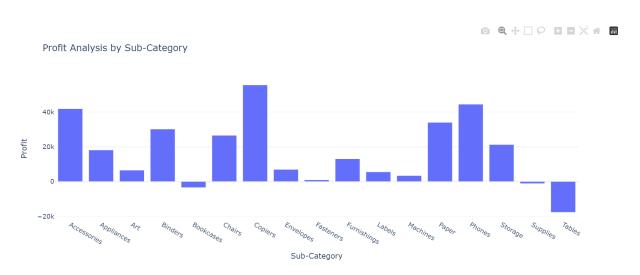
6- profit Analysis by category

title='Profit Analysis by Sub-Category')

fig.show()



7- profit Analysis by sub-category



8- Sales and Profit Analysis by Customer Segment

fig.show()

