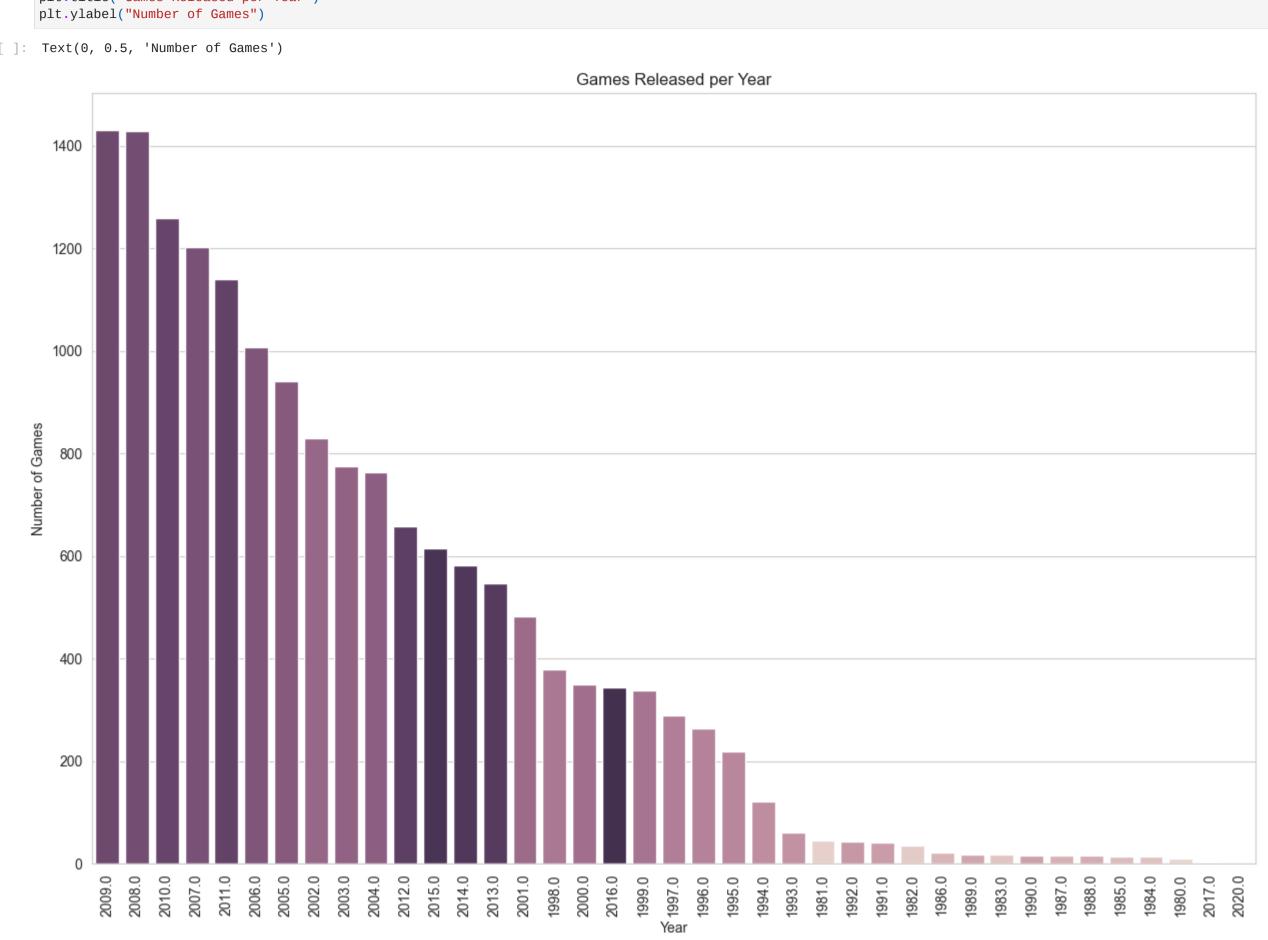
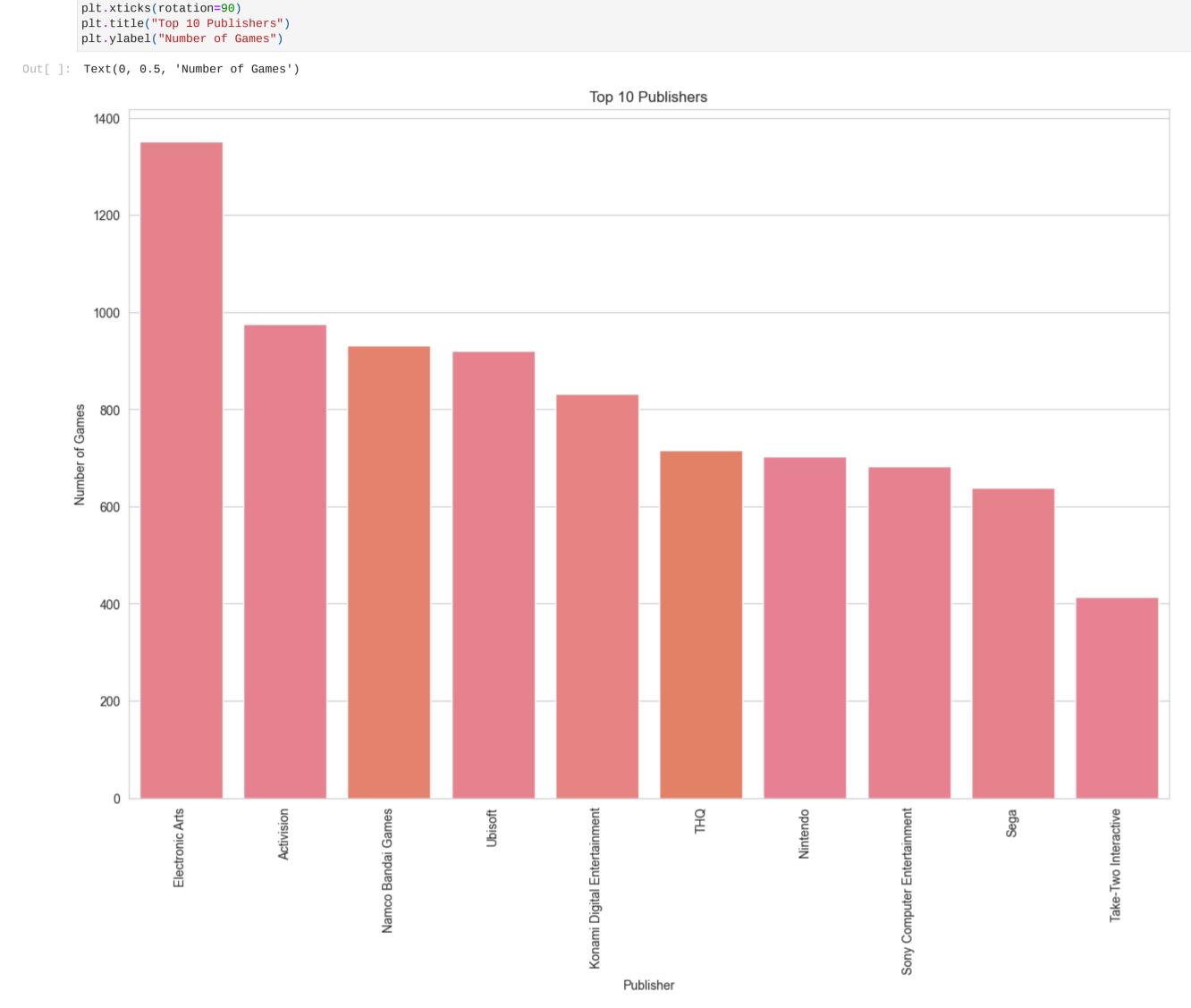
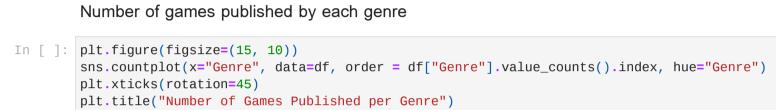
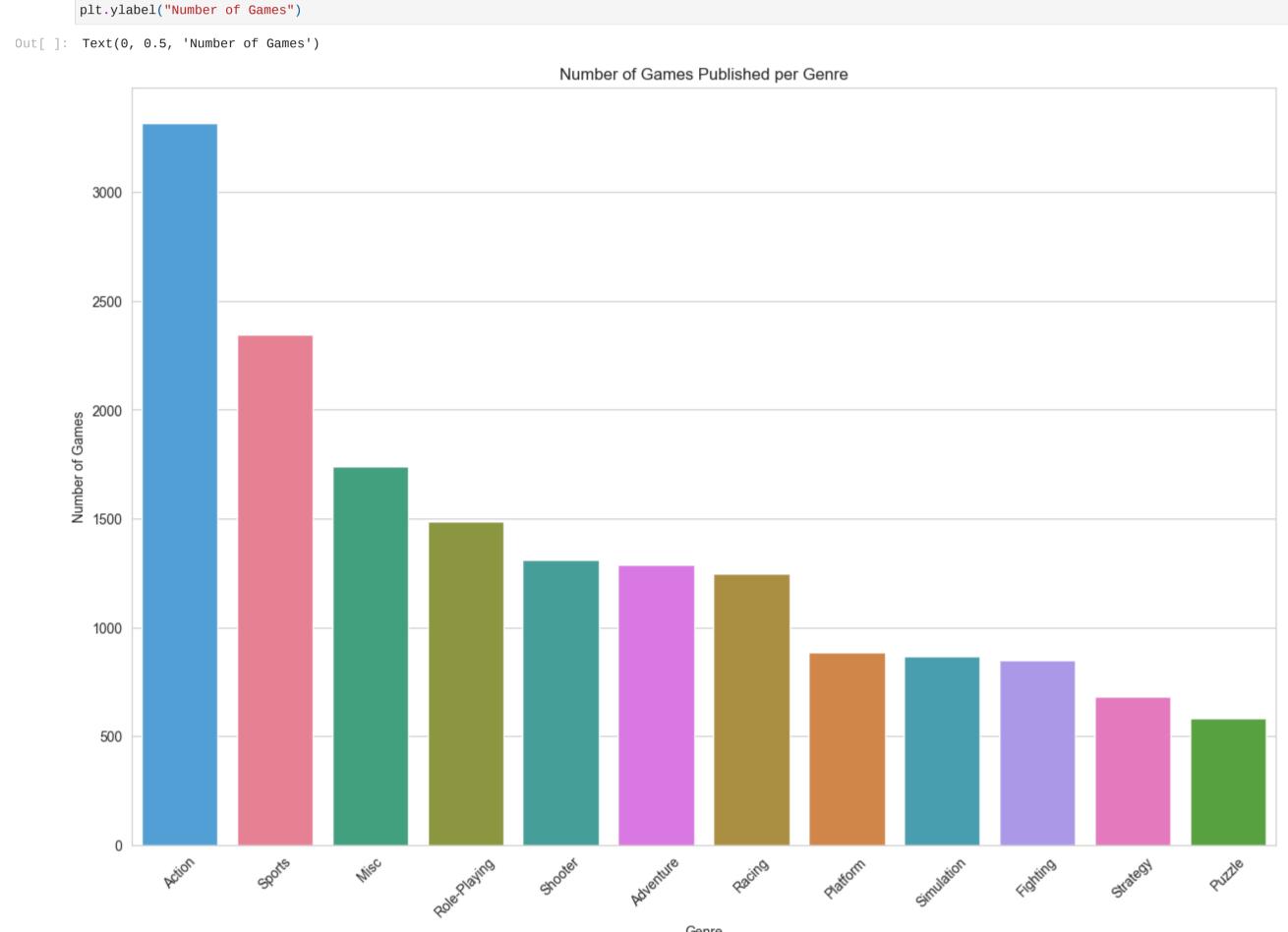
Video Game Sales Analysis Dataset Link: https://www.kaggle.com/datasets/gregorut/videogamesales/data In []: **import** pandas **as** pd import numpy as np import matplotlib.pyplot as plt plt.figure import seaborn as sns sns.set_style("whitegrid") df = pd.read_csv(r"C:\Users\kevin\OneDrive\Documents\Code\Datasets\vgsales.csv") Number of games published per year In []: plt.figure(figsize=(15, 10)) sns.countplot(x="Year", data=df, order = df["Year"].value_counts().index, hue="Year", legend=False) plt.xticks(rotation=90) plt.title("Games Released per Year") plt.ylabel("Number of Games") Out[]: Text(0, 0.5, 'Number of Games') Games Released per Year



Top 10 publishers by number of games published In []: plt.figure(figsize=(15, 10)) sns.countplot(x="Publisher", data=df, order = df["Publisher"].value_counts().head(10).index, hue="Publisher", legend=False)





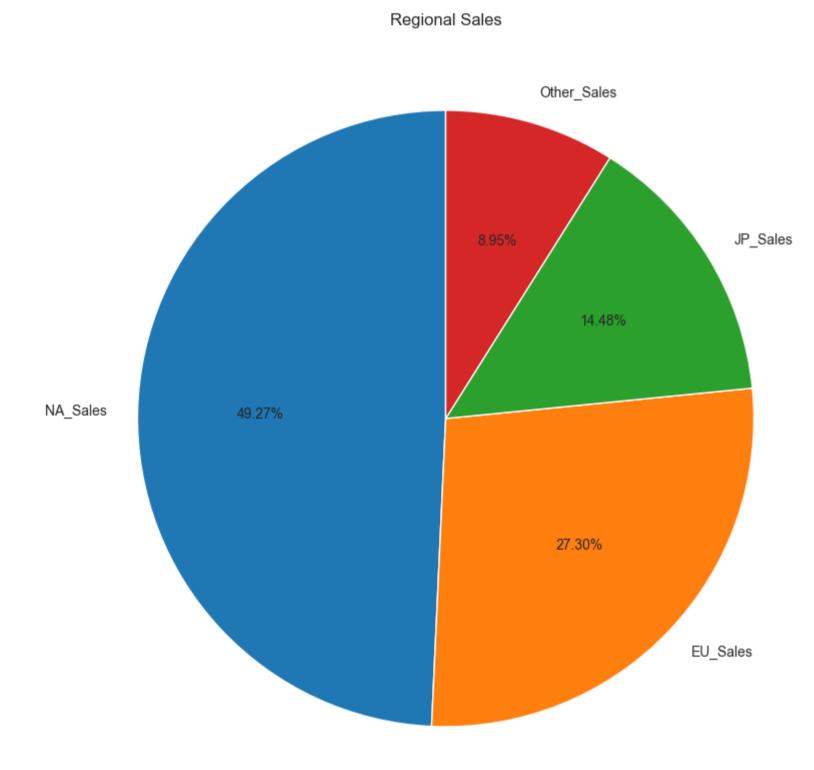


Total Sales by Region In []: region_sales = df[["NA_Sales", "EU_Sales", "JP_Sales", "Other_Sales"]].sum().reset_index()
region_sales = region_sales.rename(columns={"index": "Region", 0: "Total Sales"})

region_sales Region Total Sales **0** NA_Sales 4392.95 1 EU_Sales 2434.13 **2** JP_Sales 1291.02 **3** Other_Sales 797.75 In []: plt.figure(figsize=(15, 10))

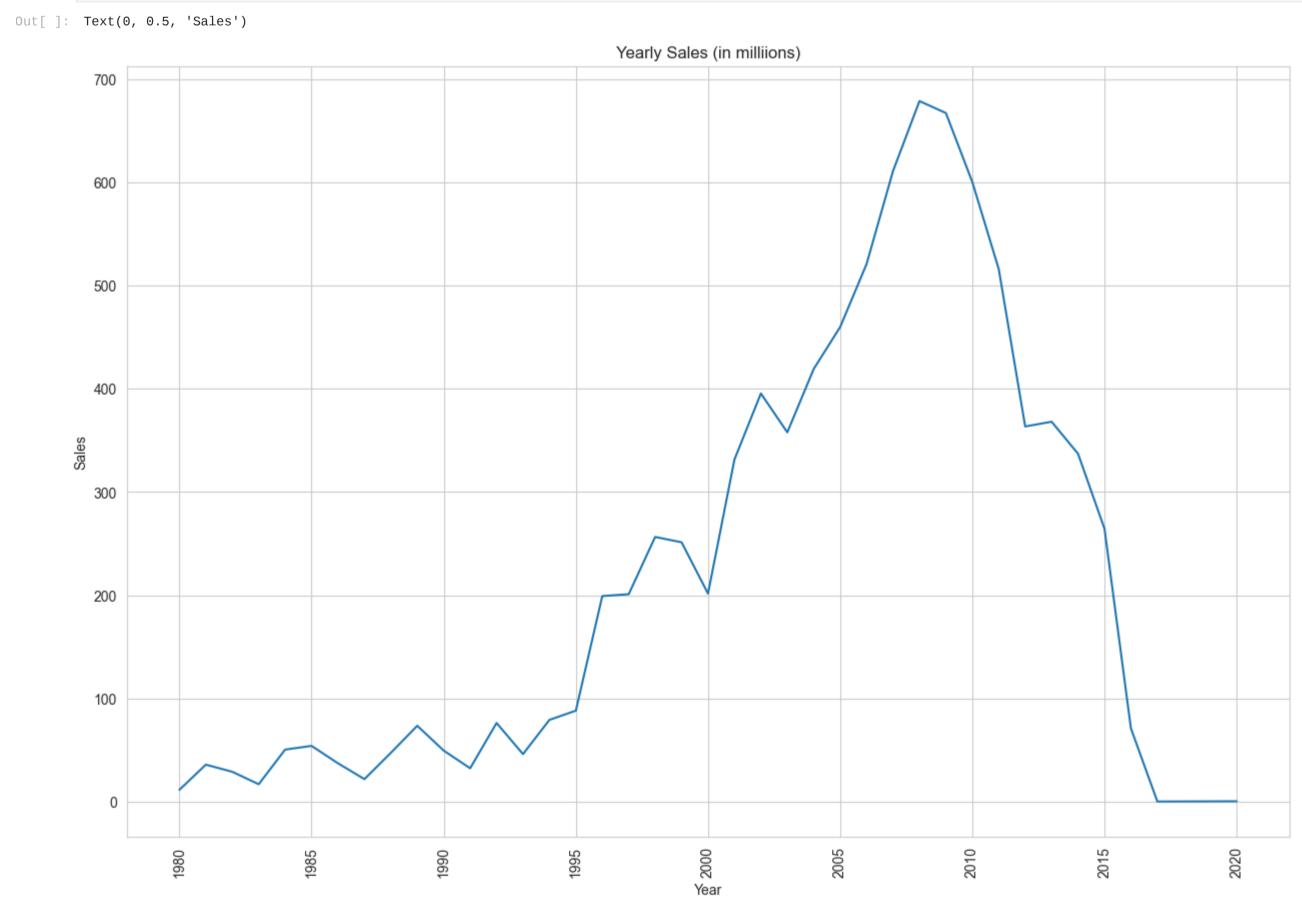
labels = region_sales["Region"]
sizes = region_sales["Total Sales"] plt.pie(x=sizes, labels=labels, autopct="%.2f%%", startangle=90) plt.title("Regional Sales")

Out[]: Text(0.5, 1.0, 'Regional Sales') Regional Sales



Total Sales by Year In []: total_year_sales = df.groupby(["Year"])["Global_Sales"].sum().reset_index()

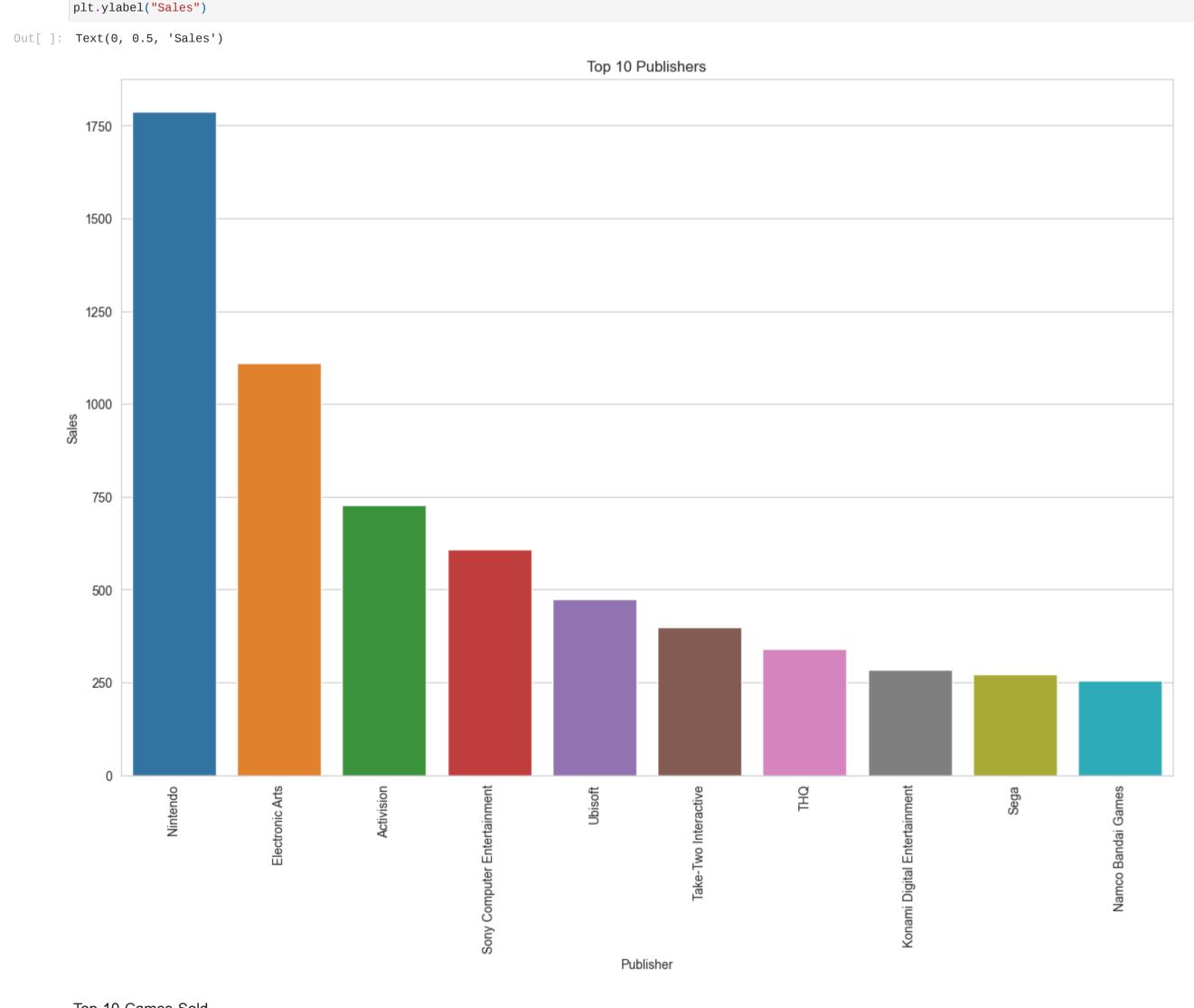
plt.figure(figsize=(15, 10))
sns.lineplot(x="Year", y="Global_Sales", data=total_year_sales) plt.xticks(rotation=90) plt.title("Yearly Sales (in milliions)") plt.ylabel("Sales")



Total Sales by Top 10 Publishers

In []: sales_pub = df.groupby(["Publisher"])["Global_Sales"].sum().sort_values(ascending=False).head(10).reset_index() plt.figure(figsize=(15, 10)) sns.barplot(x="Publisher", y="Global_Sales", data=sales_pub, hue="Publisher")

plt.xticks(rotation=90) plt.title("Top 10 Publishers")



Top 10 Games Sold In []: games_sales = df.groupby(["Name"])["Global_Sales"].sum().sort_values(ascending=False).head(10).reset_index()

plt.figure(figsize=(15, 10))
sns.barplot(x="Name", y="Global_Sales", data=games_sales, hue="Name")
plt.xticks(rotation=90) plt.title("Top 10 Games") plt.ylabel("Sales")

Out[]: Text(0, 0.5, 'Sales')

