import matplotlib.pyplot as plt

import seaborn as sns

movies\_df = pd.read\_csv("movies\_metadata.csv")

vote\_count = movies\_df['vote\_count']

vote\_average = movies\_df['vote\_average']

heatmap\_data = pd.DataFrame({'Vote Count': vote\_count, 'Vote Average': vote\_average})

plt.figure(figsize=(10, 8))

sns.heatmap(heatmap\_data.corr(), annot=True, cmap='coolwarm')

plt.title('Vote Count vs. Vote Average Heatmap')

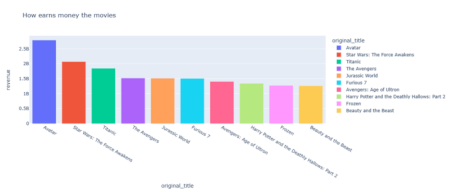
plt.show()

plt.figure(figsize=(10, 8))

sns.jointplot(x='vote\_count', y='vote\_average', data=movies\_df)

plt.title('Vote Count vs. Vote Average')

plt.show(

import plotly.express as px

import seaborn as sns

import pandas as pd

import numpy as np

movie = pd.read\_csv("movies\_metadata.csv")

top\_list = movie[['original\_title','revenue']]

top\_revenue = top\_list.sort\_values(by=['revenue'], ascending = False).dropna().head(10) px.bar(top\_revenue, x='original\_title', y = 'revenue', color='original\_title', title = "How earns money the movies")

어려운점

1. 주제정하기

2. 데이터 열 때 딕셔너리 내의 리스트 내의 딕셔너리 형태로 되어 있던 것