Descriptive Statistics for Countries:
Country: AR, Mean Profit: 3.907661471428572E7, Mean Revenue: 6.807957664285715E7, Mean Budget: 2.900296192857143E7
Country: EG, Mean Profit: 2.73924025E7, Mean Revenue: 3.9134069166666664E7, Mean Budget: 1.1741666666666666E7
Country: AU, Mean Profit: 4712683.6, Mean Revenue: 1.8251972133333333E7, Mean Budget: 1.3539288533333333E7
Country: TH, Mean Profit: 7.403465371428572E7, Mean Revenue: 1.11606082228571428E8, Mean Budget: 3.7571428571428575E7
Country: IN, Mean Profit: 4.998994206666667E7, Mean Revenue: 8.28732196E7, Mean Budget: 3.2883277533333335E7
Country: JP, Mean Profit: 5.2631229972222224E7, Mean Revenue: 8.173158275E7, Mean Budget: 2.9100352777777776E7
Country: LB, Mean Profit: 8.992189177777778E7, Mean Revenue: 1.6219966955555555E8, Mean Budget: 7.227777777777778E7
Country: DK, Mean Profit: 9.01924174E7, Mean Revenue: 1.295924174E8, Mean Budget: 3.94E7
Country: GB, Mean Profit: 6.194756913636363E7, Mean Revenue: 9.30305033030303E7, Mean Budget: 3.1082934166666668E7
Country: US, Mean Profit: 5.962822057824428E7, Mean Revenue: 9.042432924427481E7, Mean Budget: 3.0796108666030534E7
Country: CA, Mean Profit: 7.657331260465117E7, Mean Revenue: 1.0610757746511628E8, Mean Budget: 2.9534264860465117E7

Pearson Correlation (Ratings & Revenue): 0.9933992677987828
Spearman Correlation (Ratings & Revenue): 1.0

Regression Coefficients for Country Codes vs Profits:
Intercept: -7.7674199139453E7
Slope: 45609.51388695585

Regression Coefficients for Budgets vs Revenues:
Intercept: 1.0294433948165989E7
Slope: 1.6679020379994236

Regression Coefficients for Votes vs IMDb Ratings:
Intercept: 5.913455069678041
Slope: 7.126381547333012E-5

Prediction of Profit Based on Production Country:
Country: AR, Predicted Profit: 17968951.48
Country: EG, Predicted Profit: 23122826.55
Country: AU, Predicted Profit: 18105780.02
Country: TH, Predicted Profit: 44376860.02
Country: IN, Predicted Profit: 29097672.87
Country: JP, Predicted Profit: 30602786.83
Country: LB, Predicted Profit: 32792043.49
Country: DK, Predicted Profit: 21891369.68

Country: GB, Predicted Profit: 25722568.84
Country: US, Predicted Profit: 46292459.61
Country: CA, Predicted Profit: 20021379.61

Prediction of Revenue Based on Budget:
Country: AR, Predicted Revenue: 26973454.33
Country: EG, Predicted Revenue: 14964559.65
Country: AU, Predicted Revenue: 14464189.04
Country: TH, Predicted Revenue: 77010515.47
Country: IN, Predicted Revenue: 63667299.16
Country: JP, Predicted Revenue: 41984572.67
Country: LB, Predicted Revenue: 63667299.16
Country: DK, Predicted Revenue: 35312964.52
Country: GB, Predicted Revenue: 12442691.77
Country: US, Predicted Revenue: 143726596.99
Country: CA, Predicted Revenue: 110368556.23

Prediction of IMDb Ratings Based on Votes:
Votes: 10000.0, Predicted IMDb Rating: 6.63
Votes: 20000.0, Predicted IMDb Rating: 7.34
Votes: 5000.0, Predicted IMDb Rating: 6.27
Votes: 7000.0, Predicted IMDb Rating: 6.41
Votes: 8000.0, Predicted IMDb Rating: 6.48
Votes: 15000.0, Predicted IMDb Rating: 6.98
Votes: 12000.0, Predicted IMDb Rating: 6.77
Votes: 17000.0, Predicted IMDb Rating: 7.12
Votes: 16000.0, Predicted IMDb Rating: 7.05
Votes: 13000.0, Predicted IMDb Rating: 6.84