

**KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY
SUPPLY CHAIN AND INFORMATION SYSTEMS DEPARTMENT**

END OF SEMESTER EXAMINATION

BDA555:DATA ANALYSIS AND VISUALISATION (PRACTICALS)



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Question 1

There are three (3) romantic movies in the data.

Question 2

There are Four (4) Ghanaian movies / documentaries in the data

Question 3

It takes 422 minutes to watch a Ghanaian movie on Netflix.

Question 4

The Ghanaian movie directors are: Shirley Frimpong-Manso, Kwabena Gyansah and Sam "Blitz" Bazawule.

Question 5

General observation.

Structure of the Data

The Netflix dataset is made up of 12 columns and 8804 Rows. Some of the columns in the dataset include type, director, country just to mention a few. The rows, however, shows the individual contents uploaded unto the Netflix platform. Out of the 8804 individual contents, 6128 are Movies and 2676 are TV shows.

Countries and Continent

When it comes to the individual countries, USA has the highest number of contents uploaded followed by India. From 2008 to 2021, USA has a total of 3207 contents uploaded unto the Netflix platform. Out of these total number of uploads, 2360 are movies and 847 are TV shows. In the case of India however, the Netflix data shows a total of 1008 uploads. Out of these 1008 uploads, 927 are Movies and 81 being TV shows.

Taking into consideration the Various Continents, an eagle eye view of the data from the map visual suggests there is a high concentration of data points from in Europe.

This means that Europe as a continent has more uploads of contents on the Netflix platform. Some of the countries in Europe having contents include Poland, France, Hungary, Belarus, Italy just to mention a few. This means that though there are a lot of contents coming from the USA as a country, Europe as a continent is having a more contents when you consider only Continents.

Genres

Out of the 8804 uploads (Movies and TV shows), The Top Five genres include Dramas, Comedies, Action and Adventure, Documentaries and International TV Shows. In terms of numbers Dramas has 1600 uploads, Comedies with 1210 uploads, Action and Adventure with 859, Documentaries with 829 and International TV shows with 774 uploads. This shows the top five genres coming from the various countries.

The top five genres in terms of Movies only follows the same trend with only the fifth position changing to Children and Family Movies with 605 uploads. The top five genre in the TV shows category includes International TV shows, Crime TV shows, Kids TV shows, British TV shows and Docuseries.

In terms of numbers, International TV shows has 774, Crime TVshows-399, Kids TV shows-388, British TV shows-253 and Docuseries-221.

FOCUS ON AFRICA

Africa according to the dataset has uploads from 12 different countries. These countries are Senegal, Ghana, Nigeria, Cameroon, Namibia, South Africa, Zimbabwe, Mozambique, Kenya, Somalia, Egypt, and Mauritius. In terms of number of uploads Senegal-1, Ghana-4, Nigeria-96, Cameroon-1, Namibia-1, South Africa-41, Zimbabwe-1, Mozambique-1, Kenya-4, Somalia-1, Egypt-112 and Mauritius-2.

Therefore, 265 contents (Movies and TV Shows) are from African Countries with Egypt having the highest number of uploads.