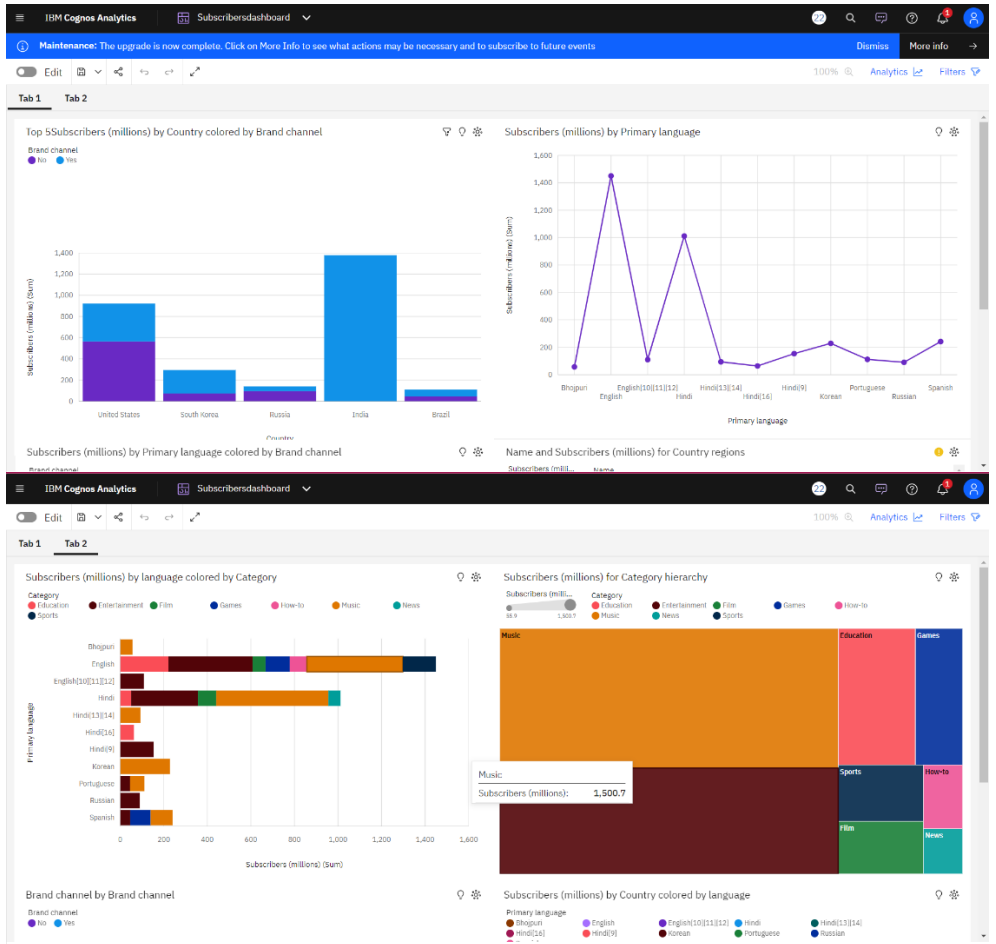


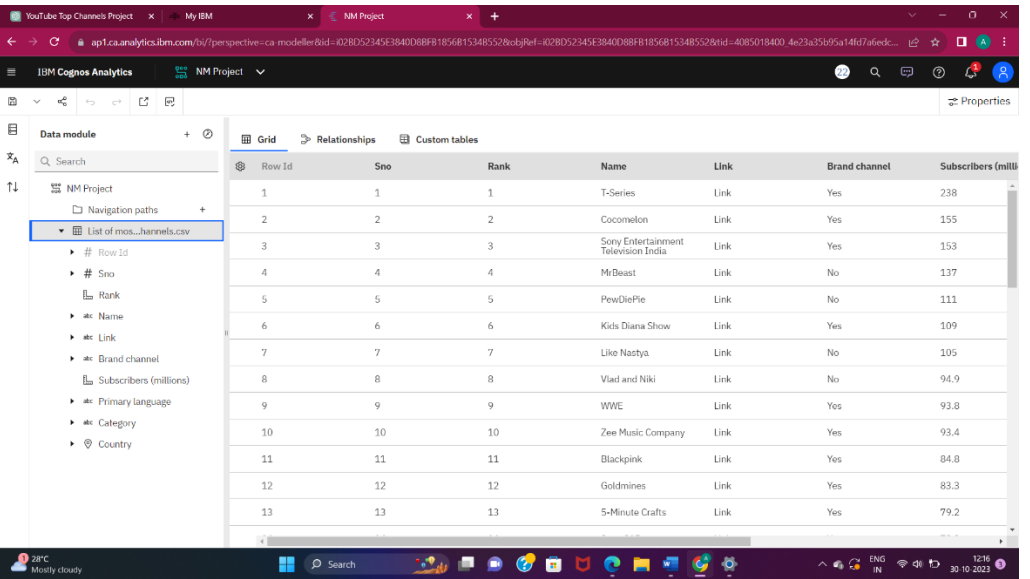
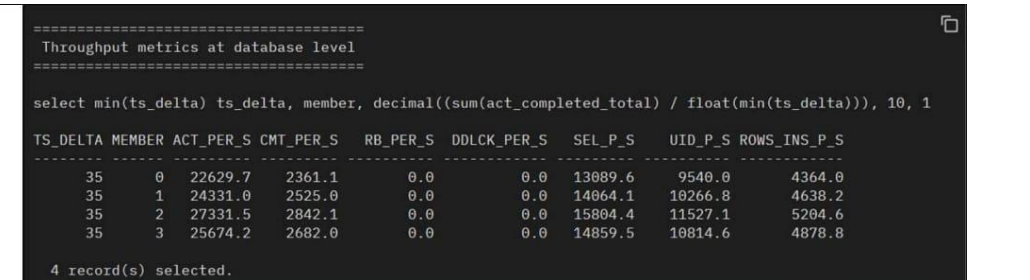
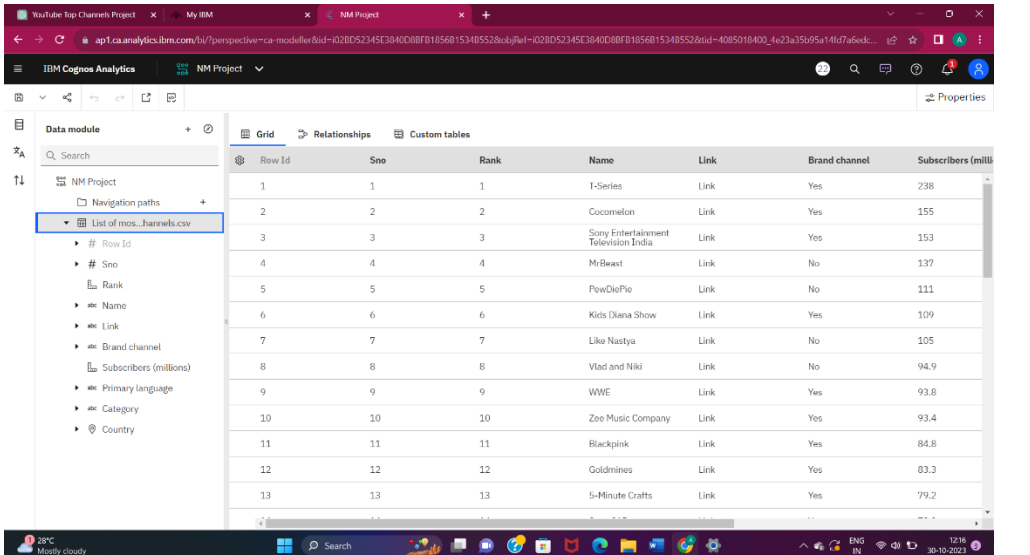
Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	NM2023TMID05055
Project Name	Subscriber's Galore : Exploring The World's Top YouTube Channel
Maximum Marks	10 Marks

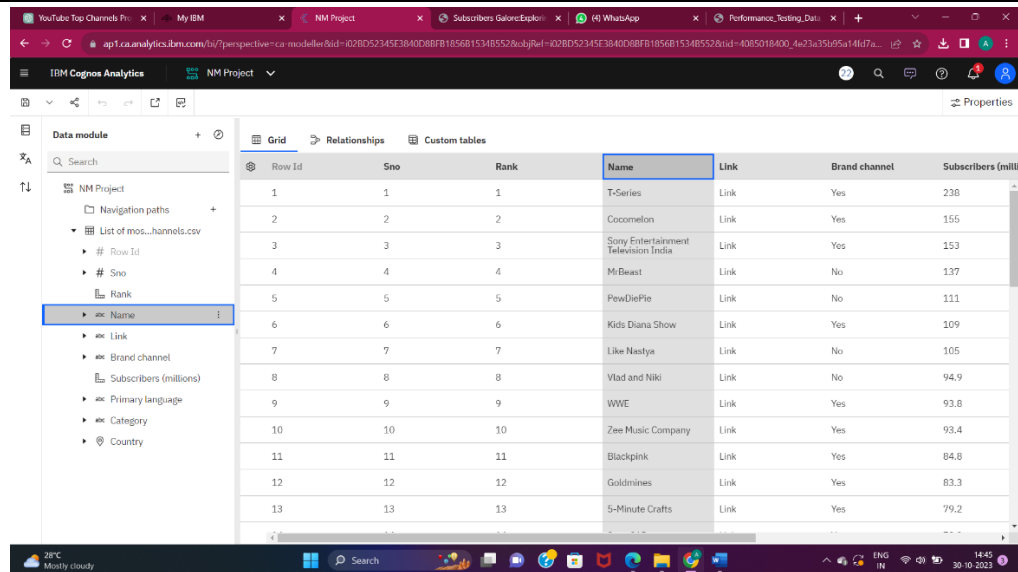
Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Dashboard design	 <p>The screenshot displays the IBM Cognos Analytics interface for a dashboard titled 'Subscribersdashboard'. The dashboard contains several visualizations:</p> <ul style="list-style-type: none"> Top 5 Subscribers (millions) by Country colored by Brand channel: A stacked bar chart showing subscriber counts for the United States, South Korea, Russia, India, and Brazil. The bars are colored by brand channel (Yes/No). Subscribers (millions) by Primary language: A line chart showing subscriber counts across various languages including Bhogpuri, English, Hindi, Hindi[10][11][12], Hindi[13][14], Hindi[16], Hindi[9], Korean, Portuguese, Russian, and Spanish. Subscribers (millions) by language colored by Brand channel: A horizontal stacked bar chart showing subscriber counts by language (Bhogpuri, English, Hindi, Hindi[10][11][12], Hindi[13][14], Hindi[16], Hindi[9], Korean, Portuguese, Russian, Spanish) and brand channel. Subscribers (millions) for Category hierarchy: A treemap visualization showing the hierarchy of subscriber counts across categories like Music, Education, Games, Sports, How-to, Film, and News. Subscribers (millions) by Country colored by language: A chart showing subscriber counts by country, colored by primary language.

2.	Data Responsiveness	 <p>The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists the 'List of mos...channels.csv' file. The main area displays a data grid with the following columns: Row Id, Sno, Rank, Name, Link, Brand channel, and Subscribers (milli). The grid contains 13 rows of data for various YouTube channels.</p> <table> <tr><th>Row Id</th><th>Sno</th><th>Rank</th><th>Name</th><th>Link</th><th>Brand channel</th><th>Subscribers (milli)</th></tr> <tr><td>1</td><td>1</td><td>1</td><td>T-Series</td><td>Link</td><td>Yes</td><td>238</td></tr> <tr><td>2</td><td>2</td><td>2</td><td>Cocomelon</td><td>Link</td><td>Yes</td><td>155</td></tr> <tr><td>3</td><td>3</td><td>3</td><td>Sony Entertainment Television India</td><td>Link</td><td>Yes</td><td>153</td></tr> <tr><td>4</td><td>4</td><td>4</td><td>MrBeast</td><td>Link</td><td>No</td><td>137</td></tr> <tr><td>5</td><td>5</td><td>5</td><td>PewDiePie</td><td>Link</td><td>No</td><td>111</td></tr> <tr><td>6</td><td>6</td><td>6</td><td>Kids Diana Show</td><td>Link</td><td>Yes</td><td>109</td></tr> <tr><td>7</td><td>7</td><td>7</td><td>Like Nactya</td><td>Link</td><td>No</td><td>105</td></tr> <tr><td>8</td><td>8</td><td>8</td><td>Vlad and Niki</td><td>Link</td><td>No</td><td>94.9</td></tr> <tr><td>9</td><td>9</td><td>9</td><td>WWE</td><td>Link</td><td>Yes</td><td>93.8</td></tr> <tr><td>10</td><td>10</td><td>10</td><td>Zee Music Company</td><td>Link</td><td>Yes</td><td>93.4</td></tr> <tr><td>11</td><td>11</td><td>11</td><td>Blackpink</td><td>Link</td><td>Yes</td><td>84.8</td></tr> <tr><td>12</td><td>12</td><td>12</td><td>Goldmines</td><td>Link</td><td>Yes</td><td>83.3</td></tr> <tr><td>13</td><td>13</td><td>13</td><td>5-Minute Crafts</td><td>Link</td><td>Yes</td><td>79.2</td></tr> </table>	Row Id	Sno	Rank	Name	Link	Brand channel	Subscribers (milli)	1	1	1	T-Series	Link	Yes	238	2	2	2	Cocomelon	Link	Yes	155	3	3	3	Sony Entertainment Television India	Link	Yes	153	4	4	4	MrBeast	Link	No	137	5	5	5	PewDiePie	Link	No	111	6	6	6	Kids Diana Show	Link	Yes	109	7	7	7	Like Nactya	Link	No	105	8	8	8	Vlad and Niki	Link	No	94.9	9	9	9	WWE	Link	Yes	93.8	10	10	10	Zee Music Company	Link	Yes	93.4	11	11	11	Blackpink	Link	Yes	84.8	12	12	12	Goldmines	Link	Yes	83.3	13	13	13	5-Minute Crafts	Link	Yes	79.2
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13	13	13	5-Minute Crafts	Link	Yes	79.2																																																																																														
3.	Amount Data to Rendered (DB2 Metrics)	 <p>The screenshot shows a DB2 SQL query and its results. The query is: <code>select min(ts_delta) ts_delta, member, decimal((sum(act_completed_total) / float(min(ts_delta))), 10, 1</code>. The results are displayed in a table with columns: TS_DELTA, MEMBER, ACT_PER_S, CMT_PER_S, RB_PER_S, DDLCK_PER_S, SEL_P_S, UID_P_S, and ROWS_INS_P_S. There are 4 records selected.</p> <pre>===== Throughput metrics at database level ===== select min(ts_delta) ts_delta, member, decimal((sum(act_completed_total) / float(min(ts_delta))), 10, 1 TS_DELTA MEMBER ACT_PER_S CMT_PER_S RB_PER_S DDLCK_PER_S SEL_P_S UID_P_S ROWS_INS_P_S ----- 35 0 22629.7 2361.1 0.0 0.0 13089.6 9540.0 4364.0 35 1 24331.0 2525.0 0.0 0.0 14064.1 10266.8 4638.2 35 2 27331.5 2842.1 0.0 0.0 15804.4 11527.1 5204.6 35 3 25674.2 2682.0 0.0 0.0 14859.5 10814.6 4878.8 4 record(s) selected.</pre>																																																																																																		
4.	Utilization of Data Filters	 <p>The screenshot shows the IBM Cognos Analytics interface, identical to the first screenshot, displaying the same data grid with 13 rows of YouTube channel data.</p>																																																																																																		

5. Effective User Story



The screenshot displays the IBM Cognos Analytics interface. On the left, a 'Data module' sidebar shows a tree structure with 'List of mos...hannels.csv' expanded, listing fields like Row Id, Sno, Rank, Name, Link, Brand channel, Subscribers (millions), Primary language, Category, and Country. The 'Name' field is selected. The main area shows a data grid with columns: Row Id, Sno, Rank, Name, Link, Brand channel, and Subscribers (millions). The grid contains 13 rows of data for various YouTube channels.

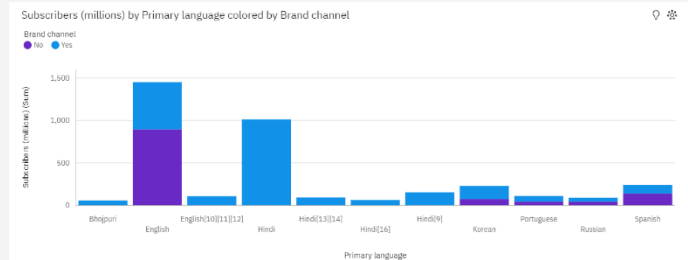
Row Id	Sno	Rank	Name	Link	Brand channel	Subscribers (millions)
1	1	1	T-Series	Link	Yes	238
2	2	2	Cocomelon	Link	Yes	155
3	3	3	Sony Entertainment Television India	Link	Yes	153
4	4	4	MiDeast	Link	No	137
5	5	5	PewDiePie	Link	No	111
6	6	6	Kids Diana Show	Link	Yes	109
7	7	7	Like Nastya	Link	No	105
8	8	8	Vlad and Niki	Link	No	94.9
9	9	9	WWE	Link	Yes	93.8
10	10	10	Zee Music Company	Link	Yes	93.4
11	11	11	Blackpink	Link	Yes	84.8
12	12	12	Goldmines	Link	Yes	83.3
13	13	13	5-Minute Crafts	Link	Yes	79.2

Subscribers galore

Exploring the world's top youtube channels

Branded channel in primary language

- This is a column bar about no of subscribers choose Branded channel on their primary language.
- It helps to understand the choices of branded channels in primary language.



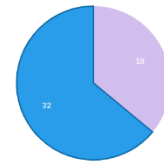
Brand channels

- This pie chart represent the number of subscribers(million) for branded and non branded channels
- The pie chart helps us to find the subscribers choices over branded and non branded channels

Brand channels

Brand channel

No Yes



Language

- It's a graph about primary language preferred by subscribers
- This will make the subscribers language easily

Subscribers (millions) by Primary language

