

A decorative graphic featuring several black musical notes and staff lines. The notes are of various sizes and are positioned around the main title, with some appearing to be part of a larger melody. The staff lines are curved and sweep across the upper portion of the image.

# SONG ANALYSIS

WITH

**POWERBI**

NAME- MANORANJAN SINHA

BATCH-MIP-DA-10

# PROBLEM STATEMENT

THIS PROJECT AIMS TO CONDUCT A COMPREHENSIVE ANALYSIS OF YOUTUBE SONGS DATA USING POWER BI.

THE DATASET CONTAINS KEY ATTRIBUTES SUCH AS VIDEO ID, CHANNEL TITLE, TITLE, DESCRIPTION, TAGS, PUBLISHED DATE, VIEW COUNT, LIKE COUNT, FAVORITE COUNT, COMMENT COUNT, VIDEO DURATION, VIDEO DEFINITION, AND CAPTION DETAILS. THE GOAL IS TO UTILIZE POWER BI TO CREATE INSIGHTFUL VISUALIZATIONS AND REPORTS THAT PROVIDE A DEEPER UNDERSTANDING OF YOUTUBE SONGS' PERFORMANCE.

# DATASET OVERVIEW

1. VIDEO\_ID: UNIQUE IDENTIFIER FOR EACH YOUTUBE VIDEO.
2. CHANNELTITLE: TITLE OF THE YOUTUBE CHANNEL PUBLISHING THE SONG.
  3. TITLE: TITLE OF THE YOUTUBE SONG VIDEO.
4. DESCRIPTION: DESCRIPTION PROVIDED FOR THE YOUTUBE SONG VIDEO.
  5. TAGS: TAGS ASSOCIATED WITH THE YOUTUBE SONG VIDEO.
6. PUBLISHEDAT: DATE AND TIME WHEN THE YOUTUBE SONG VIDEO WAS PUBLISHED.
7. VIEWCOUNT: NUMBER OF VIEWS RECEIVED BY THE YOUTUBE SONG VIDEO.
8. LIKECOUNT: NUMBER OF LIKES RECEIVED BY THE YOUTUBE SONG VIDEO.
9. FAVORITECOUNT: NUMBER OF TIMES THE YOUTUBE SONG VIDEO HAS BEEN MARKED AS A FAVORITE.
10. COMMENTCOUNT: NUMBER OF COMMENTS POSTED ON THE YOUTUBE SONG VIDEO.
  11. DURATION: DURATION OF THE YOUTUBE SONG VIDEO.
  12. DEFINITION: VIDEO DEFINITION OR QUALITY (E.G., HD, SD).
13. CAPTION: AVAILABILITY OF CAPTIONS FOR THE YOUTUBE SONG VIDEO.

# DATA CLEANING AND PREPERATION

	1 <sup>2</sup> <sub>3</sub>	A <sup>B</sup> <sub>C</sub> video_id	A <sup>B</sup> <sub>C</sub> channelTitle	A <sup>B</sup> <sub>C</sub> title	A <sup>B</sup> <sub>C</sub> des
	<div><div>Valid 100%</div><div>Error 0%</div><div>Empty 0%</div></div>	<div><div>Valid 100%</div><div>Error 0%</div><div>Empty 0%</div></div>	<div><div>Valid 100%</div><div>Error 0%</div><div>Empty 0%</div></div>	<div><div>Valid 100%</div><div>Error 0%</div><div>Empty 0%</div></div>	<div><div>Valid</div><div>Error</div><div>Emp</div></div>
1	0	F44TK5EHCro	T-Series	RAFTA RAFTA (Lo-Fi Mix)   Dj Moody   KK   Jeet Gannguli   Soulful KK ...	Pres Cred Song Albu
2	1	adx8Rsjp-c0	T-Series	TUM HO MERA PYAR (Lo-Fi Mix)   Dj Moody   KK, Suzzane   Haunted ...	Pres Cred

THE DATASET DO NOT CONTAIN ANY MISSING VALUES AND  
DUPLICATED VALUES

# YOUTUBE SONG ANALYSIS

definition

All

publishedAt

23-12-2010

20-08-2023

Total Comments

51M

Total Songs

19.35K

Total Like

2bn

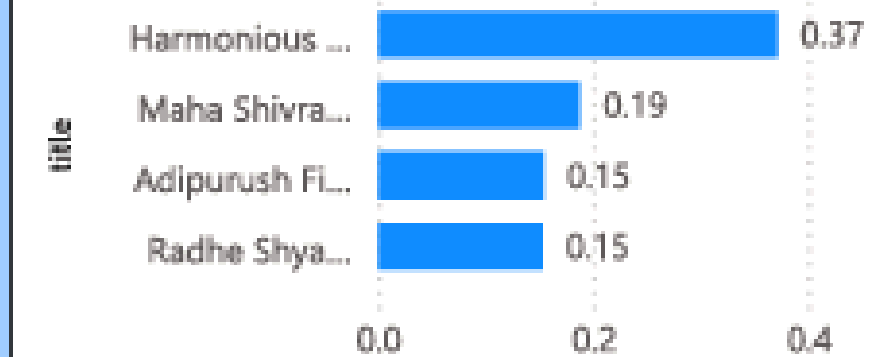
Avg View

11.94M

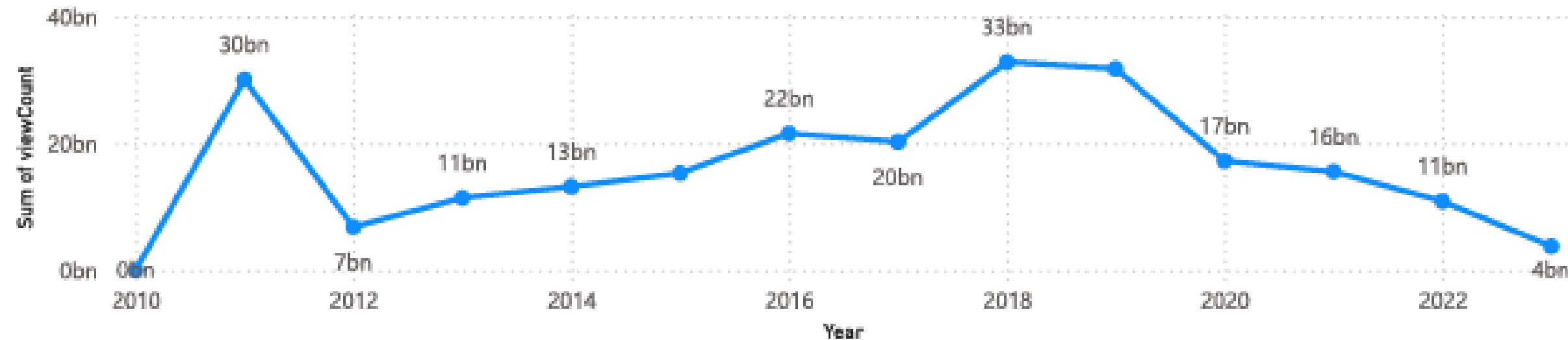
Total Duration

66.47

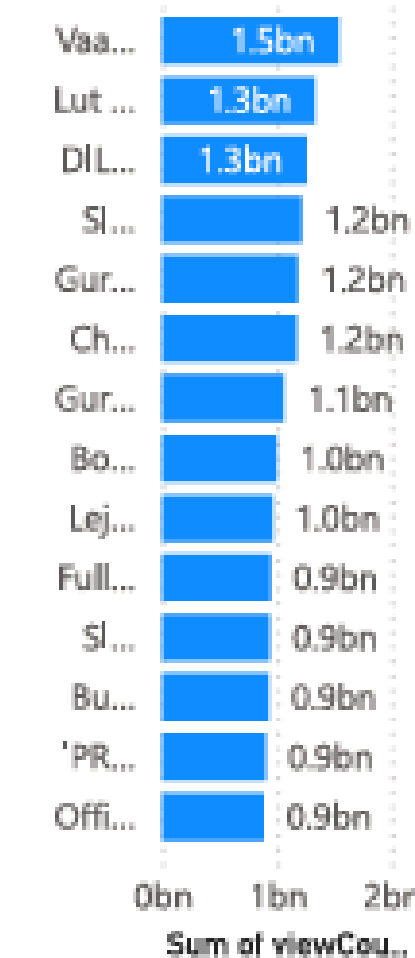
Videos with maximum duration



Trending



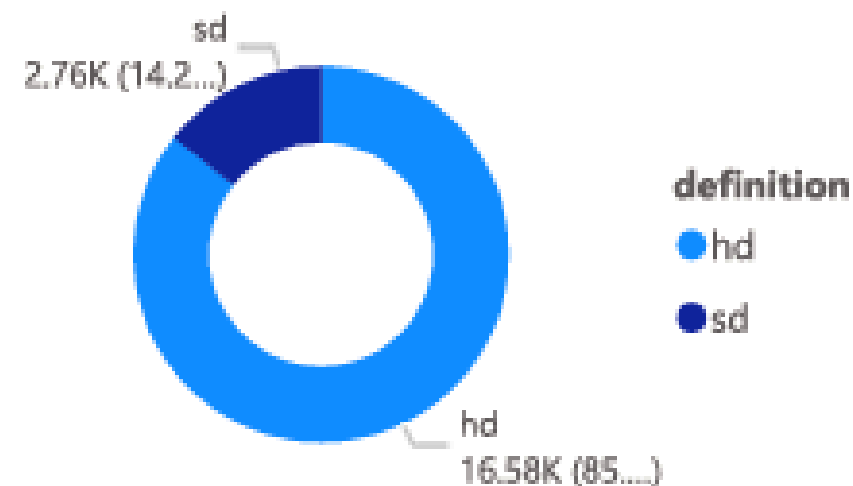
Top Viewed Videos



Most Liked Videos



Defination



Most Commented Songs

