Power BI Internship (Day 02 Task) - Report

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On Day-01, the focus was on preparing and connecting the **Videos** and **Channels** datasets inside Power BI Desktop. First, the *Videos table* was imported from the CSV file. During transformation, the appropriate data types were applied — IDs, titles, uploader, channel information, and video URL were kept as **Text**, while numerical fields like duration and view counts were converted into **Whole Numbers**. The upload date was standardized into the **Date** type. To ensure clean data, duplicate video entries based on video_id were optionally removed. Then we close and apply the query. Next, the *Channels table* was imported in a similar way. The identifiers, names, URLs, and descriptions were set as **Text** fields, while subscriber count and total views were defined as **Whole Numbers**. Duplicate Channelid values were also optionally cleaned. Then we close and apply the query. After both tables were properly structured, a **relationship** was created between them. The channel_id column in the Videos table was connected to the Channelid column in the Channels table. This was set as a **many-to-one relationship** (since many videos can belong to one channel) with a **single-direction filter**, making the Channels table act as the dimension side. Now, the model is ready for reporting. From here, Power BI can generate insights.

Sample Dashboard: