Movie Project

This is a project that I worked on in my own time (not school related) and is 100% the work of me (Wyatt Salinas). Here is the dataset, which is from Kaggle: https://www.kaggle.com/preetviradiya/imdb-movies-ratings-details. I paired this SQL work with the SQL Query Excel file as well as the tableau data. Please feel free to ask questions if there are any, I am more than happy to answer. The tableau data is easiest to see from this link: https://public.tableau.com/views/MovieProject-WyattSalinas/Dashboard1?:language=en-US&:display_count=n&:origin=viz_share_link.

Movie Project SQL Code

```sql
-- Table Name Rating Metascore Votes Gross
SELECT name, rating, metascore, votes, gross
FROM IMDB_movie_reviews_details
WHERE gross IS NOT NULL
ORDER BY rating DESC

-- Name Rating Metascore Votes Gross in dollars
SELECT TOP 50 name, rating, metascore, votes, (CONVERT(float,LEFT(RIGHT(gross,
len(gross)-1),len(gross)-2)) * 1000000) as gross
FROM IMDB_movie_reviews_details
WHERE gross IS NOT NULL
ORDER BY gross DESC

-- Year Gross by gross
SELECT year, avg((CONVERT(float,LEFT(RIGHT(gross, len(gross)-1),len(gross)-2)) *
1000000)) as gross
FROM IMDB_movie_reviews_details
WHERE gross IS NOT NULL AND LEN(year) = 4
GROUP BY year
ORDER BY year ASC

-- 1980 Year Gross
SELECT year, avg((CONVERT(float,LEFT(RIGHT(gross, len(gross)-1),len(gross)-2)) *
1000000)) as gross
FROM IMDB_movie_reviews_details
WHERE gross IS NOT NULL AND LEN(year) = 4 AND year >= 1980
GROUP BY year
ORDER BY year ASC

-- Year Gross by gross sorted by gross
SELECT year, avg((CONVERT(float,LEFT(RIGHT(gross, len(gross)-1),len(gross)-2)) *
1000000)) as gross
FROM IMDB_movie_reviews_details
WHERE gross IS NOT NULL AND LEN(year) = 4
GROUP BY year
ORDER BY gross

-- 1980 Year Gross sorted by gross
SELECT year, avg((CONVERT(float,LEFT(RIGHT(gross, len(gross)-1),len(gross)-2)) *
1000000)) as gross
FROM IMDB_movie_reviews_details
WHERE gross IS NOT NULL AND LEN(year) = 4 AND year >= 1980
GROUP BY year
ORDER BY gross
```

```sql
-- Rating + Year over last 25 years
SELECT avg(rating) as Average_Rating, year
FROM IMDB_movie_reviews_details
WHERE gross IS NOT NULL AND len(year) = 4 AND year >= 1995
GROUP BY year
ORDER BY Average_Rating DESC
```