Bechdel Test Analysis-Problem Statement

Despite progress in media representation, gender inequality continues to persist in the film industry. The **Bechdel Test** is a simple yet powerful tool used to evaluate the presence and portrayal of women in films. A movie passes the Bechdel Test if it satisfies the following three conditions:

1. It has at least **two named women**,
2. Who **talk to each other**,
3. About **something other than a man**.

While the test is minimalistic, it highlights the broader issues of gender bias and lack of diversity in cinema. This project focuses on performing a comprehensive data analysis of movies in relation to the Bechdel Test using historical and publicly available datasets.

The primary objective is to examine the proportion of movies that pass or fail the test and understand trends over time. Additionally, the project will investigate the correlation between Bechdel Test results and factors such as movie genre, release year, box office performance, budget, and ratings.

Deliverables include a cleaned and integrated dataset, interactive dashboards created using Tableau, and visual insights to showcase how gender representation has evolved. The analysis will help uncover patterns and provide recommendations for improving gender equality in media representation.