A colorful pie chart with text

Description automatically generated

Regarding the method for calculating coverage and the strategies employed to reduce bias:

Firstly, during the data collection phase, in addition to using movies released in a similar period, we observed that when collecting data with a constraint of 100 articles per request within a 2-week time window, some movies consistently generated 100 articles. This was because each movie had more than 100 articles within a 2-week period. Recognizing this, we randomly selected several shorter time windows to ensure that each movie within the window had fewer than 100 articles.

Secondly, we implemented the unbiased estimator statistical method for calculating coverage. Specifically, we randomly selected 10 dates within a month 10 times. Each time, we calculated the average coverage of each movie, removing the 2 lowest and highest values. We then averaged the results from the 10 trials to obtain the overall coverage.