K-Arm Bandit Assignment

Problem Statement: Newes Value Maximizer

To develop a system that maximizes the views for politically and commercially aligned articles.

We can solve this problem by using k-arm bandit solution where each arm represents an article and the reward is the number of views that article will receive.

Explore: The articles which has the high potential for views

Exploit: Focus on promoting article that have historically generated the most views with special attention to the aligned articles.

The balance of exploration of lesser promoted articles with the exploitation of known — high performing articles.

Reward for each arm will be the number of views that the article receives. The aligned Articles will have higher weight in the reward calculation.

Using a feedback mechanism we can fine tune the model further to keep up with the change in user preference in the future.