USRMODL
Recommending via Content-based Approaches
MCO 2

At this point, you are ready to work on your second project - to use content-based approaches to provide recommendations.

For MCO 2, you will create a news recommender system. This will mean that by the end of the course, you would have studied and analyzed two use cases (movie and news recommendation) using two approaches (collaborative filtering and content-based methods).

To build your news recommendation system, you will use Microsoft's news dataset called MIND. Use the MIND-small dataset. You may find details of it here - https://msnews.github.io/.

Please read this paper and cite it as part of your final submission:

Fangzhao Wu, Ying Qiao, Jiun-Hung Chen, Chuhan Wu, Tao Qi, Jianxun Lian, Danyang Liu, Xing Xie, Jianfeng Gao, Winnie Wu and Ming Zhou. **MIND: A Large-scale Dataset for News Recommendation.** ACL 2020.

You will, of course, need to read other papers from this site to help you write your final paper - https://msnews.github.io/program.html Feel free to look for other papers as well.

Given the MIND-small dataset, you are required to create a news recommendation system. You should create your item profile (What features will you use?), and then create your user profile and make the recommendation (What is/are the most similar news?). You should recommend 10 news articles at a time.

Activity	Schedule	Deliverable	Points
1. Download the MIND-small dataset.	November 9, 2022		0
2. Read Fangzhao, et. al (2020), and add 2 more papers on news recommendation. 3. Begin implementing your news recommendation system	November 16, 2022		0
4. Design of experiments, results and analysis	December 1, 2022		0

5. Submission of paper	December 12, 2022	1. Final document (complete paper - Sections 1.0 - 5.0). Section 4.0 is a discussion of the experiments and analysis of results, and Section 5.0 is conclusion and recommendation). 2. List of contribution/s per student in detail, issues encountered and how it was solved..	35

You may use this template for Deliverable #2.

List of Contribution	
Name	Tasks/Contribution
Issues encountered	Solution