



# The Product Recommendation for H&M

Course: BIA 679

Instructor: Dr. Mohammad Nikouei

## Team Members:



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**Major: BIA**

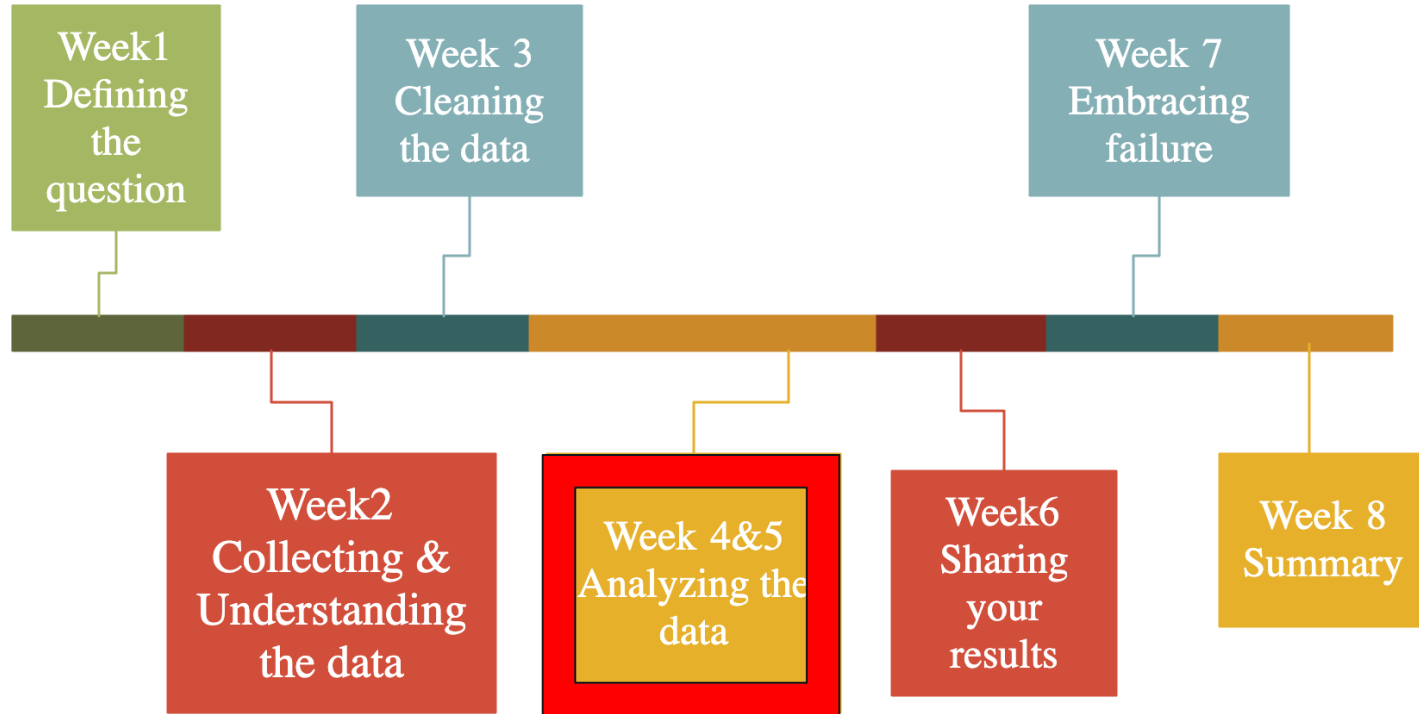


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**Major: BIA**

# BIA 679 Group Project





## **What's New?**

- 1. Load to AWS**
- 2. Keep Optimizing Model**



## **Difficulty**

- 1. Overtime during the modeling**
  - A. When tuning the parameter**
- 2. Development environment not used to**
  - B. Missing functions**



## **What's Next?**

### **Model building:**

- 1. Optimize the model**

- A. Link the article ID with product classified name**

- B. Considering the price level when doing recommendation**



## **Modeling**

<https://github.com/tychen17/The-Product-Recommendation-for-H-M>



## Reference

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3. "H&M Personalized Fashion Recommendations." *Kaggle*, <https://www.kaggle.com/competitions/h-and-m-personalized-fashion-recommendations/data>.
4. Liao, Kevin. "Prototyping a Recommender System Step by Step Part 2: Alternating Least Square (ALS) Matrix Factorization in Collaborative Filtering." Medium, Towards Data Science, 19 Nov. 2018, <https://towardsdatascience.com/prototyping-a-recommender-system-step-by-step-part-2-alternating-least-square-als-matrix-4a76c58714a1>.
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**Thank you**