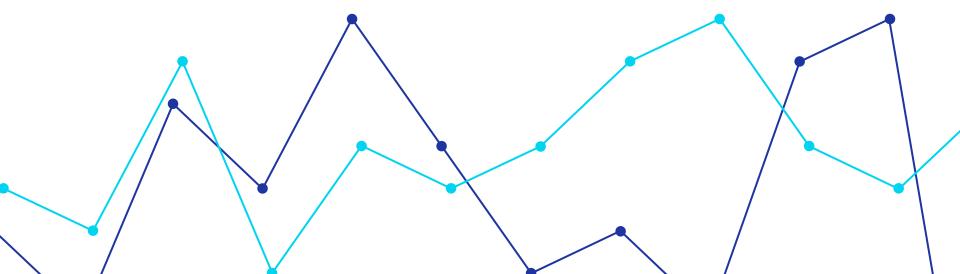
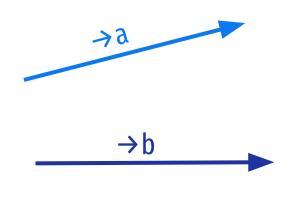
Adjusted Euclidean Distance

Ramneek Riar s4075995

I certify that this is all my own original work. If I took any parts from elsewhere, then they were non-essential parts of the assignment, and they are clearly attributed in our submission. I will show I agree to this honor code by typing "Yes": Yes



Why Adjusted Euclidean Distance works?



- AED uses the direction, the length of the vector and number of dimensions of vector spaces
- Makes results more meaningful
- Uses normalization to avoid biases with scale

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- Find top K most similar users (excluding itself) and make predictions

Comparison of Results

User-User KNN Based Collaborative Filtering with Centred Cosine Similarity (without significance weighting)

User-User KNN Based Collaborative Filtering with Adjusted Euclidean Distance

Thank you for listening!

