Mybrid Recommender System

User engagement, user retention 1

Nybrid Recommender syptem

Song C

Song C

Song C

O.9 | 0.3

Cosine similarity

$$k(x,y) = \frac{xy^{\top}}{\|x\| \|y\|}$$

Song C

Similarity matrix \longrightarrow Song A Song B Song C.

Song B \bigcirc Dong B Song C.

Song B \bigcirc Dong C.

Song A \bigcirc Dong C.

Songs dataset - JOK

genre > 51% values missings - Drop

Data cleaning -> duplicate -> 9

minning vals -> genre drop

tags -> No tags

name, artist, tags -> lower case

Content Based -> Similar attributes

Name, Id -> drop.

Transformations -> Vectorize -> Matrix
Row -> Song

Similarités - Cosine similarity

Recommend -> Top similarity scores

dat set (transformed), input vector

(50674 X8431)

(8431 X 1)

(8431 X 1)

Song A

Song B

Song C

Song C