HYPERPARAMETER TUNING

- Input of Data: [length of history, measurement, filter, PID/Preference(level)]
- ALS Model Specific:
 - Weighting: None / TF-IDF (/ BM25)
 - Cost Function: $[\alpha, \lambda]$
 - Number of Factors, Number of Iterations
- Ranking Methodology

LRMF (ALS) EXPLAINED - SIMPLE 1

ML:LRMF (als)
Details

_	-	100	-		
-		г			
		~	•	w	•

Hit Matrix	А	В	С	D
User 1	x	3	4	2
User 2	3	x	4	x
User 3	×	4	×	2
User 4	2	х	x	1

K factors

User Factors	Factor 1	Factor 2
User 1	1.4	0.9
User 2	1.2	1
User 3	1.5	0.9
User 4	1.2	0.8

×

Product

Product Factors	A	В	С	D
Factor 1	1.4	1.3	0.9	1.2
Factor 2	0.8	1.1	2	0.8

SSENSE

Train