Title Lorem Ipsum

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Outline

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Business Problem

User would like to connect with other users to see a more diverse selection of recommendation. With out having to go to third party sites.

Amazon already has user profiles that shows previous reviews in one place. They have also seen the benefit of influencers using affiliate links to drive traffic to their site.

This recommendation system will recommend user instead of product to give Amazon more of a social media feel so you can buy directly from the site, eliminating the need for third party sites.

Modeling and Methods

Surprise

A scikit fot recommendation systems

Algorithms Tested

KNNBaseline, BaselineOnly, KNNBasic, SVD<
KNNWithMeans

Results

Algorithm	test_rmse	fit_time	test_time
KNNBaseline	1.088620	5.503820	0.278020
BaselineOnly	1.094107	0.279843	0.182998
KNNBasic	1.094285	3.948528	0.236094
SVD	1.096636	2.649043	0.123083
KNNWithMeans	1.099975	4.414231	0.197663

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Conclusion

The predictions are diverse enough to not overfit while giving users a good range of other users to follow

	iid	predictions
752113	AESPPXJJOPPYH	6.230255
518484	A37BAUTPCU2R18	5.390690
651547	A3ROYM48FRM3TU	4.920149
72347	A1B2LEW6RAFIKN	4.880262
369323	A2KFDAO3GXT07A	4.871148
19605	A12YSW2P8SOLNX	4.870464
463946	A2YXE4V52LPMSS	4.719618
670090	A3UI5ODGOLAXEI	4.699560
12946	A11Y35JOOKDOLK	4.625046
234033	A1ZQVNX62VJADT	4.621580

Future work

CREATE WEBSITE FOOTER

TRY OUT ADDITION RECOMMENDATION MODLES

BRING MORE ATTRITION TO PUBLIC PROFILES AND MAKE THEM MORE LIKE INSTAGRAM'S SET UP VS EARLY 90'S EMAIL.

Thank You

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