



Recipe Recommender Assignment

Presentation by

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Steps:

- Read
Ensure that all the columns are present with right data type.
- Extract
Seven values are present in each row in nutrition column which represents nutrition information.
- Standardize
Existing values are not on same scale. We need to standardize the absolute values in nutrition to /100cal value



- Convert

We will convert the tags column to array of strings.

- Join

We will join recipe data and review data. Make sure that the resulting data frame will have same number of rows as in raw ratings data.

- Create

we will create time based features where we `CONVERT` to `datatype()`

- Exploratory Data Analysis



Steps in EDA

- Define custom functions
 - bucketize & clean numerical features
- Add user level average features
- Perform tags level EDA



Bottom 5%ile highest rated tags



individual_tag	avg_user_rating	n_user_ratings	n_recipes	in_percent_recipies	in_percent_interactions
mothers-day	4.211538461538462	104	49	2.126680728800465...	9.231241717401512E-5
simply-potatoes2	4.770642201834862	109	6	2.604098851592406...	9.675051415353508E-5
cambodian	4.495412844036697	109	46	1.996475786220845E-4	9.675051415353508E-5
oatmeal	4.389380530973451	113	51	2.213484023853545...	1.003009917371510...
honduran	3.7982456140350878	114	21	9.114345980573422E-5	1.011886111330550...

Top 5%ile highest rated tags



individual_tag	avg_user_rating	n_user_ratings	n_recipes	in_percent_recipes	in_percent_interactions
ragu-recipe-contest	4.822727272727272	220	43	1.866270843641224...	1.952762670988781...
simply-potatoes2	4.770642201834862	109	6	2.604098851592406...	9.675051415353508E-5
non-alcoholic	4.689655172413793	754	303	0.001315069920054...	6.692650245116096E-4
a1-sauce	4.628491620111732	358	41	1.779467548588144...	3.17767743733629E-4
labor-day	4.609756097560975	164	53	2.300287318906625...	1.455695809282546E-4

thank you



Thanks