system based on customer's purchase history and ratings provided by other users

- building a utility matrix for recommendation system
- get the shape of utility matrix
- transpose of the utility matrix
- Unique products in subset of data
- decompose the matrix
- get correlation matrix
- Correlation for all items with the item purchased by this customer based on items rated by other customers people who bought the same product
- recommend top 10 product in sequence

Product based system for new customers

- import libraries
- read from csv
- clean the data
- draw a scatter plot
- plot a histogram of ratings
- get and group popular products
- output:graph gives us the most popular products (arranged in descending order) sold by the business

recommendations can be based on textual clustering analysis given in product description

- get a product description having product id and review text
- clean the dataset
- Converting the text in product description into numerical data for analysis
- Visualizing product clusters in subset of data
- Recommendation of product based on the current product selected by user
- get Optimal clusters
- Predicting clusters based on key search words

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