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BUSINESS IDEA



Restaurants
Recommendation
System





Hospitality Industry

20% growth rate Restaurants



The Data





















More Work

Examined documents in micro detail



- ✓ Remove all punctuation
- Remove all stop words
- ✓ Returns a list of the cleaned text











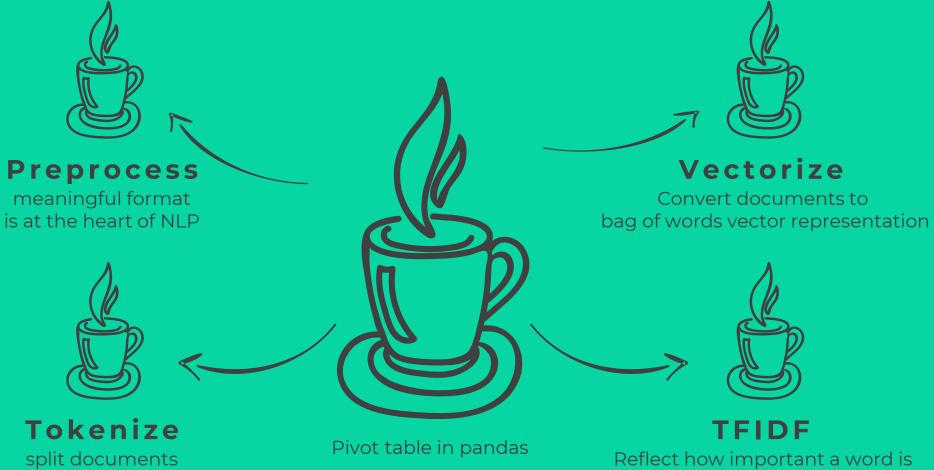


into lists of tokens





SOLUTION



Pivot table in pandas

Reflect how important a word is to a document in a collection or corpus.





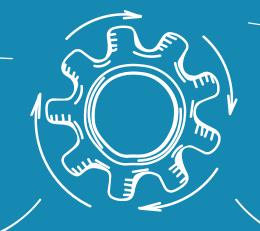


MODEL



STEP 1

Matrix Factorization technique for unsupervised NLP to break a large matrix down into the combination of two smaller matrices



STEP 2

collaborative filtering method to find the relationship between items' and users' entities





STEP 3

Pickle simply save your model on disc and de-pickle it into your python



STEP 4

Test the model





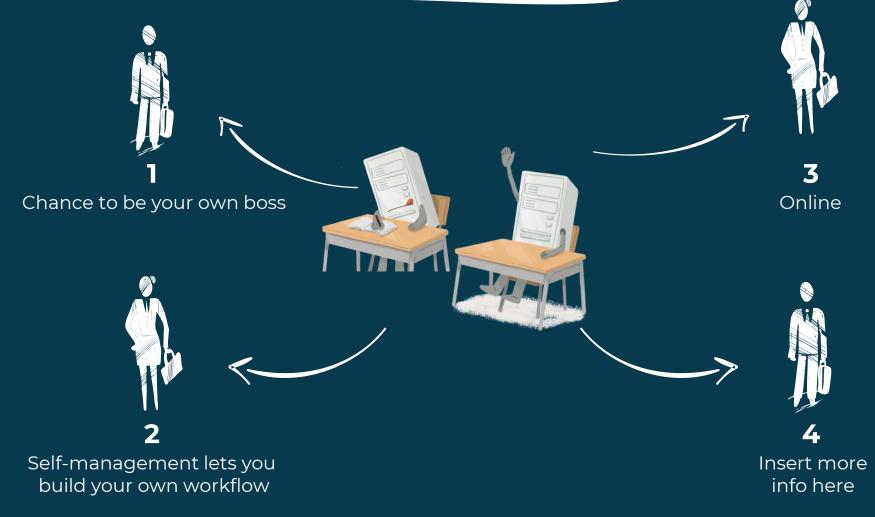








THE PROJECT





Demo