

Part 2: Product matching

Attached is sample product lists from Flipkart & Amazon

<DS - Assignment Part 2 data set.zip>

Dataset Link:

<https://www.dropbox.com/sh/aypq6h3254207bs/AACzMLvo-XtK9sYAAma6FW0la?dl=0>

Problem statement:

Using ML/DL techniques, match similar products from the Flipkart dataset with the Amazon dataset. Once similar products are matched, display the retail price from FK and AMZ side by side. Please explore as many techniques as possible before choosing the final technique. You may either display the final result in single table format OR You may create a simple form where we input the product name and the output of prices of the product from both websites are displayed.

Solution :

I have performed text cleaning and vectorization on the dataset after that,

I have used cosine similarity model to match the product of Flipkart with products of Amazon

Output Google sheet link :

https://docs.google.com/spreadsheets/d/10t1g_ai6zVwbs-OzgCwydP0lukkFEW6m/edit?usp=sharing&oid=110161283124515316362&rtpof=true&sd=true

Output result:

	Product Name in flipkart	Retail Price (FK)	Discounted Price (FK)	Product name in Amazon	Retail Price (AMZ)	Discounted Price (AMZ)
1	alisha solid women's cycling shorts	999	379	alisha solid women's cycling shorts	982	438
2	fabhomedecor fabric double sofa bed	32157	22646	fabhomedecor fabric double sofa bed	32150	28650
3	aw bellies	999	499	aw bellies	991	551
4	alisha solid women's cycling shorts	699	267	alisha solid women's cycling shorts	982	438
5	sicons all purpose arnica dog shampoo	220	210	sicons all purpose arnica dog shampoo	208	258
6	eternal gandhi super series crystal paper weights with silver finish	430	430	eternal gandhi super series crystal paper weights with silver finish	427	473
7	alisha solid women's cycling shorts	1199	479	alisha solid women's cycling shorts	982	438
8	fabhomedecor fabric double sofa bed	32157	22646	fabhomedecor fabric double sofa bed	32150	28650
9	dilli bazaaar bellies, corporate casuals, casuals	699	349	dilli bazaaar bellies, corporate casuals, casuals	682	385
10	alisha solid women's cycling shorts	1199	479	alisha solid women's cycling shorts	982	438

