

KubixSquare July Internship
AI/ML Team 4
Final Report

Fake Product Review Monitoring System

Members:

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Problem Statement:-

Fake Product Review Monitoring System

INTRODUCTION:

- The scope and need of online markets and e-commerce platforms are on the rise and many people buy products from these platforms.
- The amount of feedbacks for products as a result are also present in detail for users to analyze the product they are buying.
- This can work against the users as well because users can sometime bombard the review section with extreme opinion comments which can work in favor or against the product.
- Thus, we need to take care of this because this can be done either by the merchant to increase the value of his product or the user to degrade the ratings of that product.
- This project contribute to the growing body of studies on identification of fake reviews and reviewers by performing a social network analysis in conjunction with anomaly detection with clustering techniques.

- Developed approach to identify fake reviewers, relative to previously proposed methods has high potential for automation and enables to significantly narrow down the field and dynamically track fake reviewers.

After removing the fake product reviews, we get 105 rows out of 7652 rows.

O/p

Out[81]:

	most_rev	profile_id
0	1	AEMS5UDZTN4L3BIJV57COUNV2FA
1	1	AGMVYZTJCTBKBGOLJPOOVMSR7SHA
2	1	AGB6THDSE3YQLZLU66I656H2QQ3A
3	1	AGFTH6KVRH5FYHQIKH4AVWB6PNXA
4	1	AE6RBG4WOBIDNIQ6FFJZRJ2J6AFA
5	8	AG57ELELG6RNTZWK7RDHDO53RE4A
6	1	AHZI3QY65DLTDUDWWIPI4SQQBKVA
7	1	AHPBJJIIJAYS65CAV372NAHS6IZXA
8	1	AEPNJZZM63WLMAJBHL35FXIFCYBQ
9	1	AGB3FANDRQGAWJW3GIDJIKHJNAVQ
10	1	AFPCOPCAZC434YOPT2HG2XOZHEIA
11	1	AH37D52BAPJF6BFAJURBXFWTWGTA
12	1	AESK4CB3ORKWJQIVC44DAK55TSHA
13	1	AFNJCXL0TK4447HO3KOJWTEYZVPQ
14	1	AH6YVKMM7LATKY4K53AGPUPHODLQ
15	1	AFFNQLAWE6HEKG4AXXVVUGVM6EFQ
16	1	AGVMH2GOY3IYUN5MBZ6JUHKD7KUQ
17	1	AHGVWXYCKZHYH5K2JH3CPFBU6JRA
18	1	AFYA6W7F6MDKCBSVH6NEFLB6YS6Q
19	1	AHEIC3YLFMXQZLLB2JDXRU64O4VQ
20	1	AH3OY235PML7JVOTNHMX6DGPS7WA
21	1	AE32RCULY67ZIXMFY5HWFQR4SM7Q
22	1	AFTBMGPKCS6VVXDJ36SBIABUSTSQ
23	1	AEFGA7GDPFBF3QZ6QROQG7RDZVQA
24	1	AHFVTX7QGCSP55FVIHBJA7WMKUBQ
25	1	AHDHDAL4E6LKKVDCQ4KUDXW3VKVQ
26	1	AHQ7C3J3BZCHTMQLRHPMLCADFVEQ

80	1	AGIPHTYF4J4OJDFFWYM7BPVVS2TA
81	1	AEWRQSZX3UHIAIQAF6CLXUFW7DEA
82	1	AEKDN24UH7S5WYRUM4XZKJRIVVAQ
83	1	AEBQYDMIWSRWTKF53JKJEDKOR26Q
84	1	AGFVVG37AGREFYMW2IPXEC5EXZ5Q
85	1	AHTECKNH7O6AXNCAJBRQEGVPMVNA
86	1	AE73WUPMEWCBCZQEUGFBETNQFRFDA
87	1	AG5N5A45L7BLCA6YTPXGKRRRCMKFQ
88	1	AGJSIYSNP7X7A7JLUTYJZHCN3RIQ
89	1	AEONHDDCGWMWLWXOGTS42URKONEQ
90	1	AG6ZNPLH5342ZSLCXB7IUVLXTBSQ
91	1	AEACAJEHAXWWP55AP5IIMAYWT2OQ
92	1	AGPEHXYDVLIMMDY5XZJPE7SZBGWA
93	1	AGCICEFZVOANEMBVA5JIRVIMMMWA
94	1	AGW6KYOUIT5J7J2OIOHPZ57HWWZA
95	1	AFMQ3DYM7ZTJXH6BBRSTKLZEODPQ
96	1	AGB55PVSQZSWVTOPIRSEXSGSEOJA
97	1	AGBCLFYZNV25JXYBHBOIBCIX73LA
98	1	AEMBW5JXECQ3I2JVNTQE4M6C3HGA
99	1	AF66MMRTHCMP7E2AX526DWAJGUDA
100	1	AFANY7IRVGT5USYBWAEMO2RQBEA
101	1	AHDKOXHAPGS7PJSSCO64RGHGDZXA
102	1	AHVGWUAHKX3PGCDHCTJZJ32N7SQ
103	1	AFRKZIRT4DCACXEOCYJYV34LYR2Q
104	1	AFAZLF4B2D2FY4WY4VOXBKXBR6A

105 rows × 2 columns

References:

- ▶ Fake Product Review and Monitoring System
- ▶ Fake Product Review Monitoring
- ▶ FAKE PRODUCT REVIEW MONITORING & REMOVAL FOR GENUINE RATINGS||M...

GitHub Repositories:

<https://github.com/mssahumanisha/FakeproductReview>

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