
Welcome

PREDATORY PRICING DATASET ANALYSIS AND HI-VALUE CUSTOMERS IDENTIFICATION

With pandas (python) – Pre-Requirements

Note: this file is available at: https://drive.google.com/drive/folders/1KJ7EvWslt-DbA7jfHoSHojUoPKbLtmUl?usp=sharing

Disclosure: Nothing in this lecture should be considered as investment or business advices. Past performance is not necessarily indicative of future returns. **Predatory Pricing Dataset and Customers Dataset during these lectures is only taken as the general example to show, how one can do data analysis using pandas (in python).** I AM NOT REPOSIBLE FOR YOUR ANY KIND OF LOSS/PROFIT IN/ON YOUR BUSINESS/STOCKS RETURNS. Consider a financial adviser before investing or invest at your own risk.

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Recommended to Read Before Starting

About python: Python is powerful... and fast; plays well with others; runs everywhere; is friendly & easy to learn; is Open –> https://www.python.org/about/.

Python docs: https://docs.python.org/3/ (all documentation); https://docs.python.org/3.7/ **(Recommended version – 3.7)**.

The Python Tutorial (python3.7): https://docs.python.org/3.7/tutorial/index.html

The Python Language Reference: https://docs.python.org/3.7/reference/index.html#reference-index

Familiar with python notebook environment: The Jupyter Notebook (Formerly known as the IPython Notebook): Documentation.

Google Colab (Our working environment): Get started with Google Colaboratory (Coding TensorFlow) (Video tutorial); Tutorial: CS231n Python Tutorial With Google Colab (**Must have a go-through**, ".ipynb" file).

Recommended to Read Before Starting (Conti.)

NumPy : The fundamental package for scientific computing with Python. NumPy is the fundamental package for scientific computing in Python. It is a Python library that provides a multidimensional array object, various derived objects (such as masked arrays and matrices), and an assortment of routines for fast operations on arrays, including mathematical, logical, shape manipulation, sorting, selecting, I/O, discrete Fourier transforms, basic linear algebra, basic statistical operations, random simulation and much more.

About: https://numpy.org/

Docs: https://numpy.org/doc/stable/

NumPy quickstart: https://numpy.org/doc/stable/user/quickstart.html

Recommended to Read Before Starting (Conti.)

Pandas: pandas is a fast, powerful, flexible and easy to use open source data analysis and manipulation tool, built on top of the Python programming language.

About: https://pandas.pydata.org/

Docs: https://pandas.pydata.org/docs/

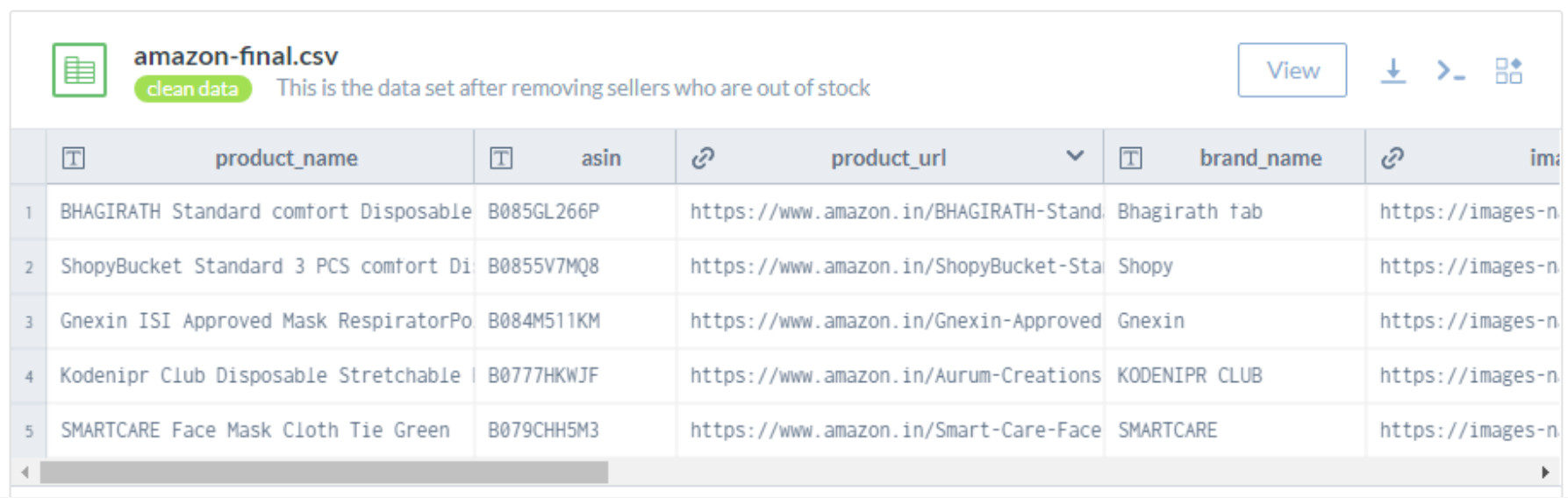
Getting started: https://pandas.pydata.org/docs/getting_started/index.html

User Guide: https://pandas.pydata.org/docs/user_guide/index.html#user-guide

Download documentation: PDF Version | Zipped HTML

About Dataset – Predatory Pricing Dataset from Amazon

Description: Data on the unfair pricing and discounting practices by sellers on amazon during the COVID-19 crisis. Sellers on Amazon are using the Covid19 crisis to exploit the consumers. This data contains information on the product details, prices, discounts, reviews, listed date, and other key data points to understand the unfair practices.



amazon-final.csv

clean data This is the data set after removing sellers who are out of stock

View

	product_name	asin	product_url	brand_name	ima
1	BHAGIRATH Standard comfort Disposable	B085GL266P	https://www.amazon.in/BHAGIRATH-Stand	Bhagirath fab	https://images-n
2	ShopyBucket Standard 3 PCS comfort Di	B0855V7MQ8	https://www.amazon.in/ShopyBucket-Sta	Shopy	https://images-n
3	Gnexin ISI Approved Mask RespiratorPo	B084M511KM	https://www.amazon.in/Gnexin-Approved	Gnexin	https://images-n
4	Kodenipr Club Disposable Stretchable	B0777HKWJF	https://www.amazon.in/Aurum-Creations	KODENIPR CLUB	https://images-n
5	SMARTCARE Face Mask Cloth Tie Green	B079CHH5M3	https://www.amazon.in/Smart-Care-Face	SMARTCARE	https://images-n

Dataset source (data.world) https://data.world/data-hut/predatory-pricing-data-from-amazon

Dataset download links (amazon-final.csv, amazon_2020-03-09(1).csv), direct link: direct_drive_link

NOTE: Data is available under education license only. Don't use dataset other than educational purposes.

References

- Lecture drive link: https://drive.google.com/drive/folders/1eleZFerp8ppp9HYBvx-h7rySVSuAtRIE?usp=sharing
- https://www.python.org/
- https://www.python.org/about/.
- https://docs.python.org/3/
- https://docs.python.org/3.7/
- https://docs.python.org/3.7/tutorial/index.html
- https://docs.python.org/3.7/reference/index.html#reference-index
- https://ipython.org/notebook.html
- https://ipython.org/documentation.html
- https://colab.research.google.com/notebooks/intro.ipynb?utm_source=scs-index#recent=true
- https://youtu.be/inN8seMm7UI
- https://colab.research.google.com/github/cs231n/cs231n.github.io/blob/master/python-colab.ipynb
- https://numpy.org/
- https://numpy.org/doc/stable/
- https://numpy.org/doc/stable/user/quickstart.html
- https://pandas.pydata.org/
- https://pandas.pydata.org/docs/
- https://pandas.pydata.org/docs/getting_started/index.html
- https://pandas.pydata.org/docs/user_guide/index.html#user-guide
- https://data.world/
- https://data.world/data-hut/predatory-pricing-data-from-amazon

THANKS FOR UR PRECIOUS TIME! ☺

- Questions? 🗣 💬

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