Linear Regression Analysis for Amazon bestseller books

Project Proposal

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Background

The goal of this project is to apply Linear Regression on data scraped from the Amazon website, to predict the price of a book based on the features.

Data Description

Amazon is one of the Big Five companies in the U.S, it is an American multinational corporation that focuses on e-commerce, cloud computing, digital streaming, and artificial intelligence. The company has been referred to as "one of the most influential economic and cultural forces in the world", as well as the world's most valuable brand. in this project, Linear Regression will be applied to data scraped from the Amazon website to predict the price of books with Certain features.

Names of columns with description

Book name	The title of the book
Author	Name of the writer
Rating	The rating of the book scale from 0 to 5
Customer Rated	Number of customers who rated the book
Price	Cost of the book
Year	Year of publication of the book
Genre	Genre of book

Question / need

- What will be the price of a book with certain features ?

TOOLS

Technologies

HTML Jupyter python

Libraries

- Numpy
- Pandas
- Pandas profiling
- Matplotlib
- Seaborn
- Sklearn
- BeautifulSoup
- Patsy
- Selenium