Gaming Headset Recommendations

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Data Collection

Source
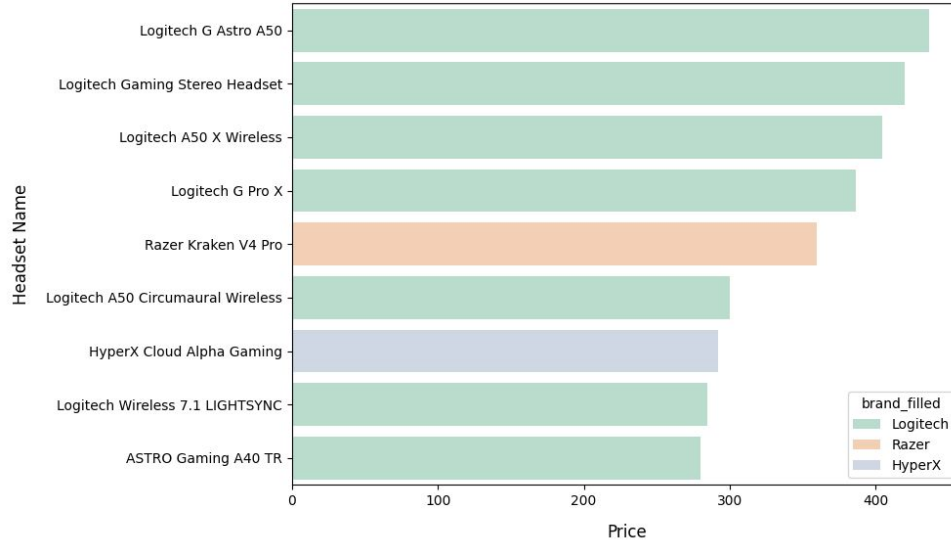
- Newegg.com

Method
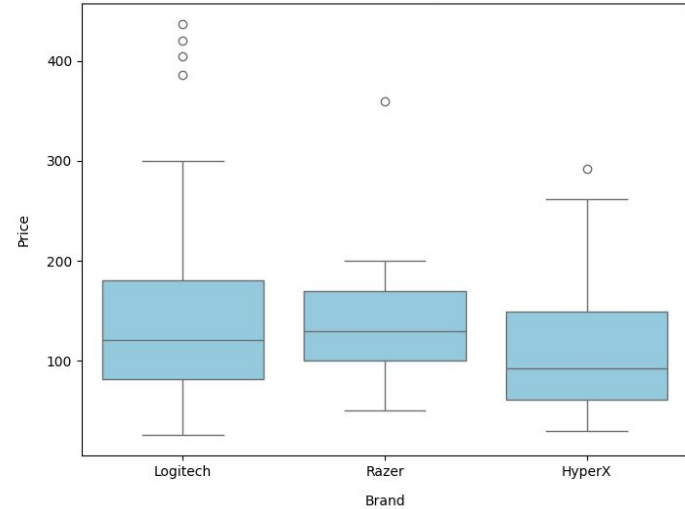
- Web scraping using BeautifulSoup
- Searched newegg with key phrases
  - "Logitech gaming headset"
  - "Razer gaming headset"
  - "HyperX gaming headset"
- Collected the following data:
  - title, url, img_url, price, rating, reviews, connection type, microphone type

EDA

Most Expensive Headsets (Logitech, Razer, HyperX)

Price Distribution by Brand

Proposed App

Goal	Build a Streamlit app that lets users filter for headsets by brand, price, and connection type and display recommended headsets
Model	Use a simple linear combination of the listed features, with the rating feature receiving a higher weight on the final score OR use a simple linear regression model