

Springboard Capstone Project Ideas

1. NLP Sentiment Analysis on Amazon Home and Kitchen Product Reviews:

I will build a sentiment analysis model as part of natural language processing, based on reviews on the home and kitchen products online purchases. Our dataset consists mainly of customers' reviews and ratings. I will try to develop a model, which will identify positive and negative words used in the reviews as a component of customer's sentiment towards to the company's home and kitchen products. This is a real commercial data. This data includes 25445 rows and 9 feature variables. Memory usage is 1.9+ MB.

Dataset:

http://seotest.ciberius.info/seo--snap.stanford.edu/data/amazon/productGraph/categoryFiles/reviews_Home_and_Kitchen_10.json.gz

2. Predicting Amazon Video Games Rating from Customers' Written reviews:

I will try to predict video games ratings of the customers from their reviews about products. I propose to build a machine-learning model using Natural Language Processing on video games reviewed on Amazon.com. I will use review text features to predict ratings and compare predictions to actual ratings. . This is a real commercial data. This data includes 52158 rows and 9 feature variables. Memory usage is 4.0+ MB.

Dataset:

http://seotest.ciberius.info/seo--snap.stanford.edu/data/amazon/productGraph/categoryFiles/reviews_Video_Games_10.json.gz