

Classification Product Reviews Webinar

Overview

An in-depth look at hierarchical classification, a machine learning approach that organizes data into a hierarchical structure of categories, sub-categories, and sub-sub-categories. Let us use Amazon reviews to demonstrate the practical application!

Hierarchical Classification

I am at the Apple Store getting a **cellphone**. I admire Steve Job's vision of the **iPhone**. How can I get this **electronic device** at a good price?



Our Solution



State of the art few shot learning to make high quality predictions with a few labeled samples.

Sentiment Analysis

Text Classification

Document Classification

Named Entity Recognition

Summarization

Semi-structured Prompting

Question Answering

The cinematography in this film is **breathhtaking**.

Annotation History

"Mediocre movie, nothing special."	negative	
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Search

Sentiment Analysis

positive

negative

neutral

Confirm Skip →

Marked as Important ?

breathhtaking

4 Annotated
1 Remaining

surprise

fear

joy

COLLAPSE ALL

+ Add Category

Add Labeling Functions

im grabbing a minute to post i feel greedy wrong

i am ever feeling nostalgic about the fireplace i will know that it is still on the property

i am feeling grouchy

ive been feeling a little burdened lately wasnt sure why that was

ive been taking or milligrams or times recommended amount and ive fallen asleep a lot faster but i

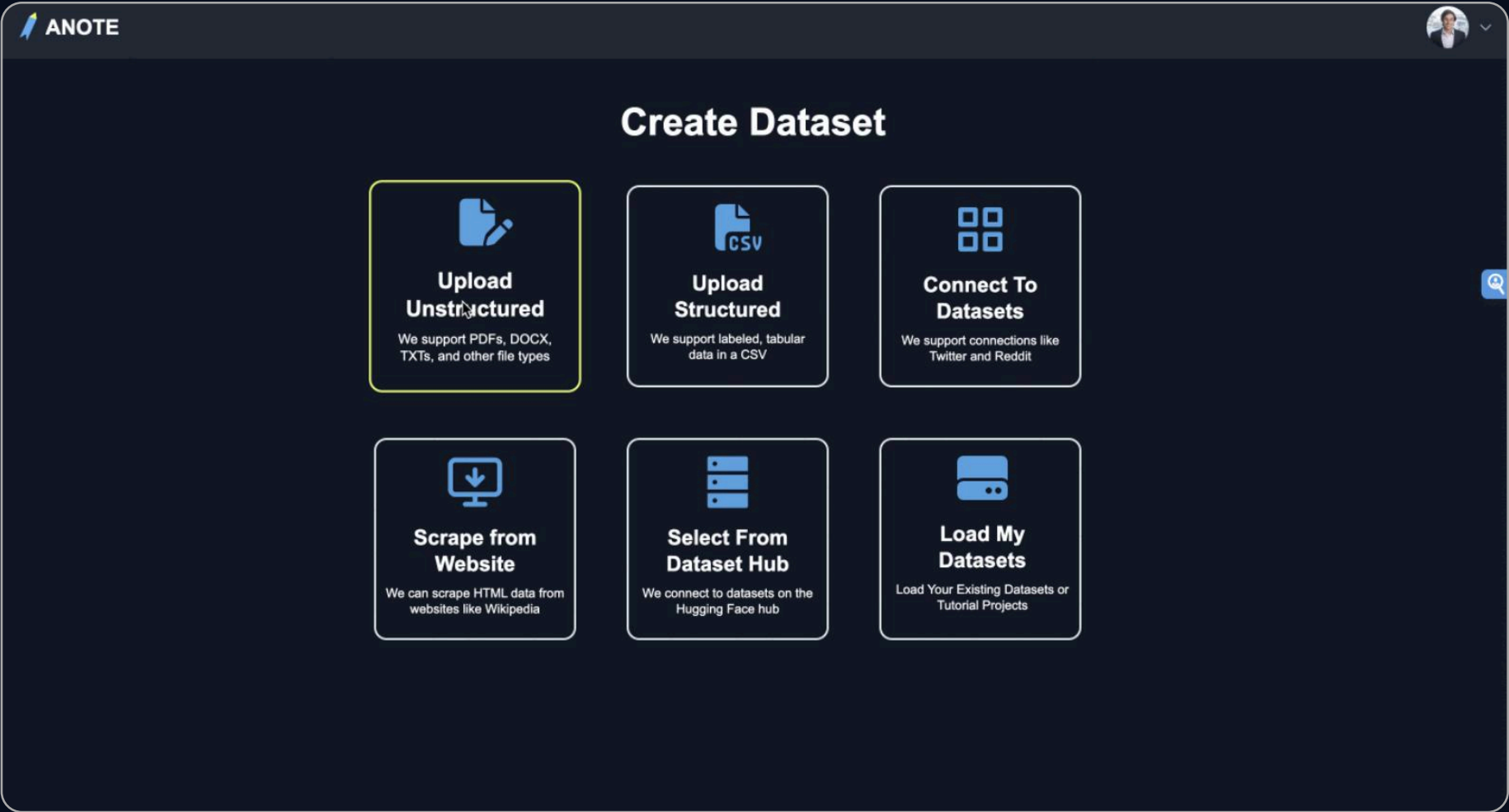
the feel like so funny

Coverage 0.2%

1

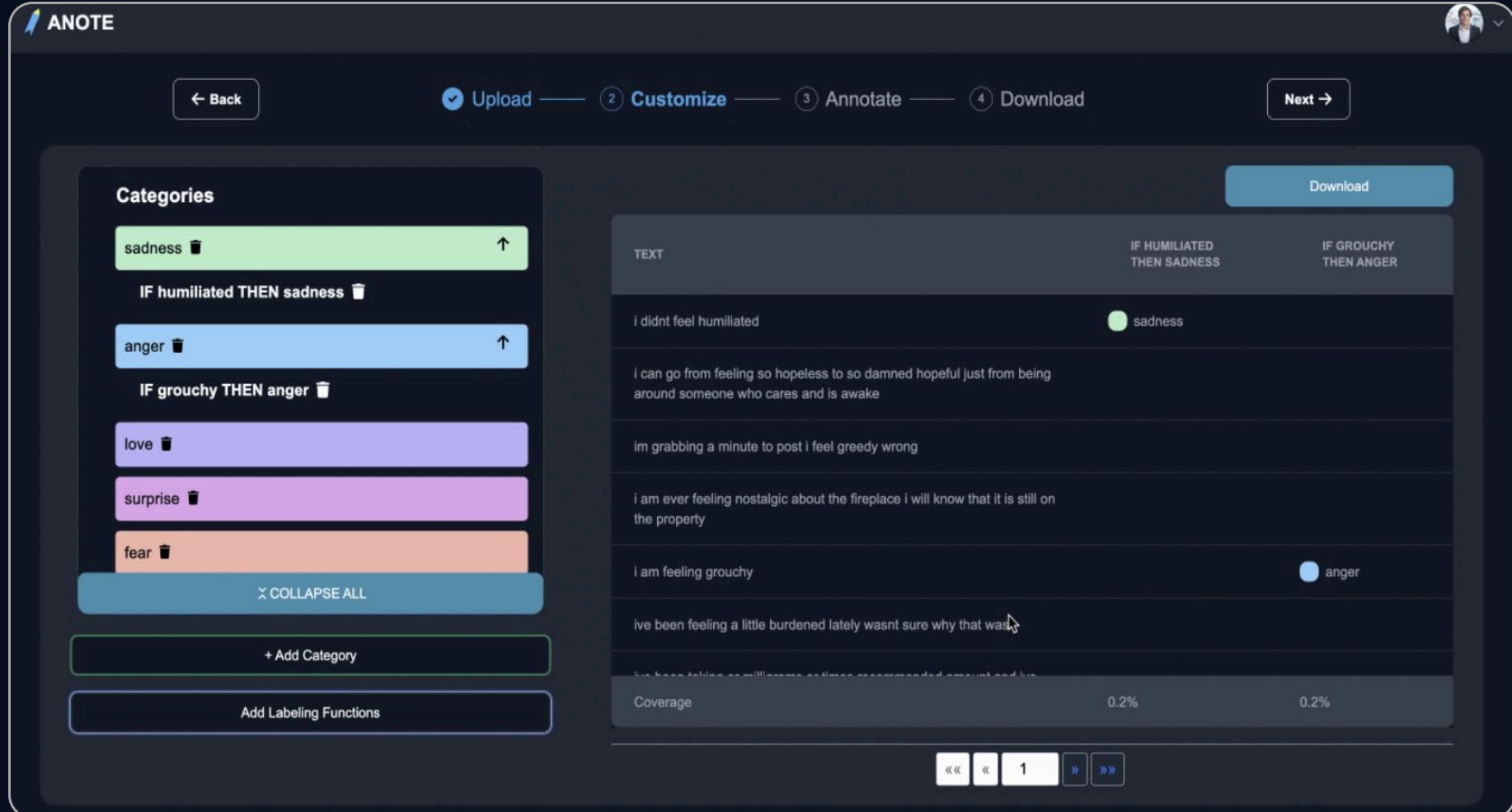
Upload

Create a new text based dataset.



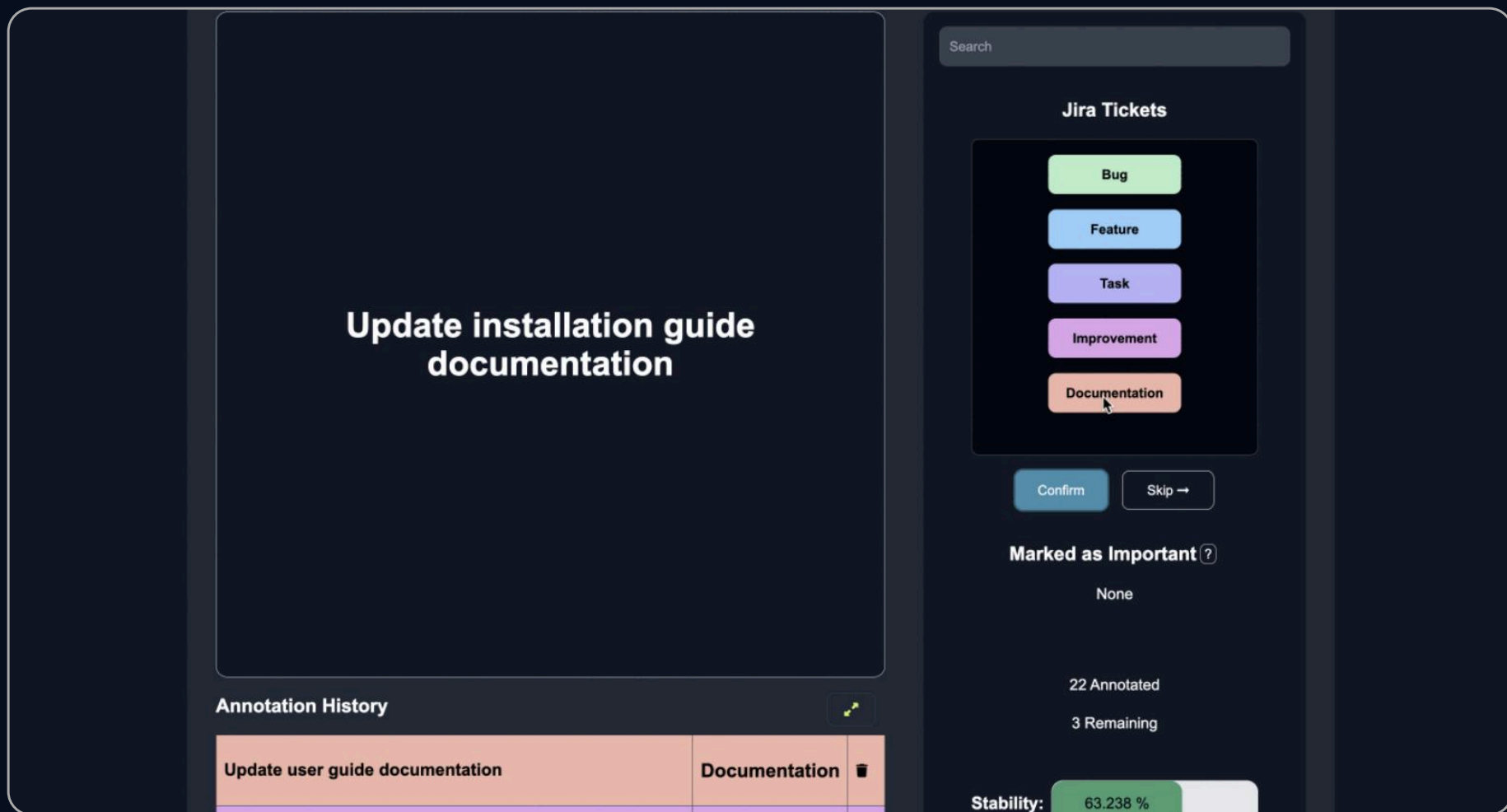
Customize

Add the categories, entities or questions you care about



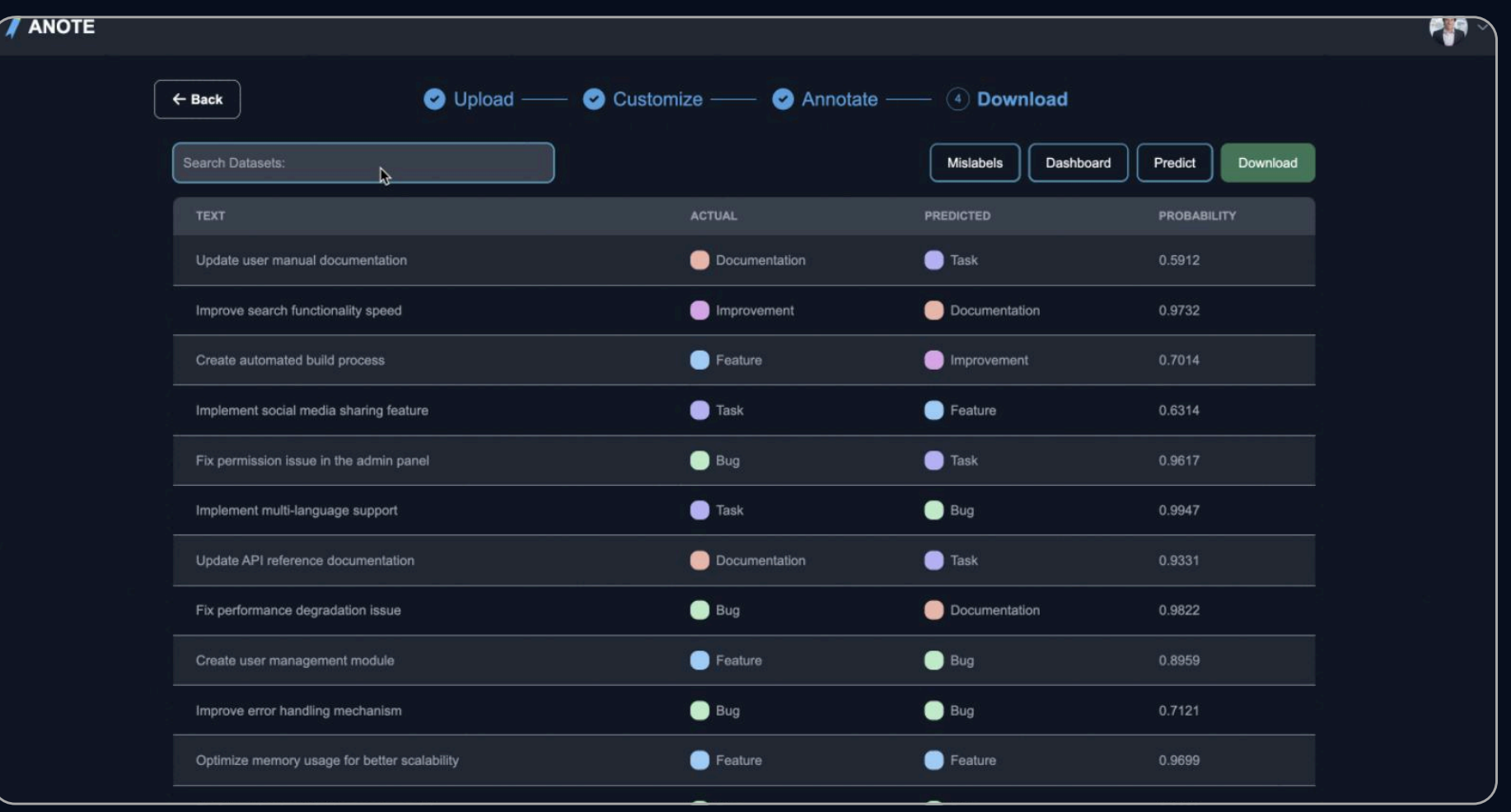
Annotate

As you annotate a few edge cases, the model actively learns to predict the rest.



Download

Download the resulting labels as a CSV. Export fine tuned model as an API endpoint



Product Demo

Fine-tuning Language Model + Human Feedback Performance

Figure 5: Amazon Dataset Plot

Performance Comparison on Amazon Dataset

