Training AI on Stolen Car Parts

User Documentation

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Project Overview

In the realm of online Consumer-to-Consumer (C2C) marketplaces, the illicit sale of stolen car parts is a significant issue. This project aims to use multimodal data (text, images, user data) to train machine learning models to detect and identify listings of stolen car parts, thus contributing to reducing online sales of stolen goods.

Prerequisites

- You will need a Google Drive/Colab account to run the provided scripts

## Startup Instructions + Installation for Data Visualizations

Input: processed_dataset_craiglist_v2.csv, processed_dataset_offerup_v2.csv

1. Download the Colab notebook titled "ResearchQuestions.ipynb" to your local computer
2. Log in to Google Drive and create a new folder in your My Drive directory titled "data"
3. Upload files "processed_dataset_craiglist_v2.csv" and "processed_dataset_offerup_v2.csv" into the new "data" folder created in Step 2
4. Navigate to Google Colab
   a. If not logged in, click the "Sign in" button and sign into your Google account linked to your Google drive with the "data" folder from Step 2
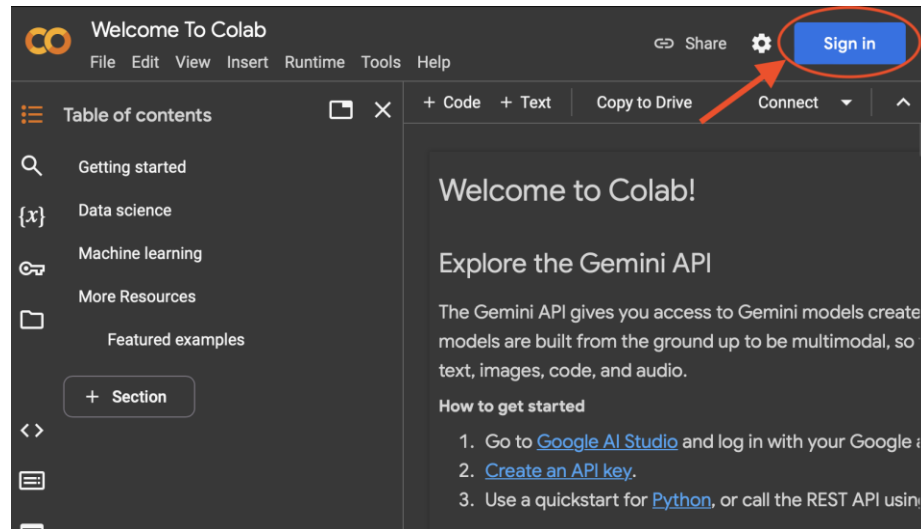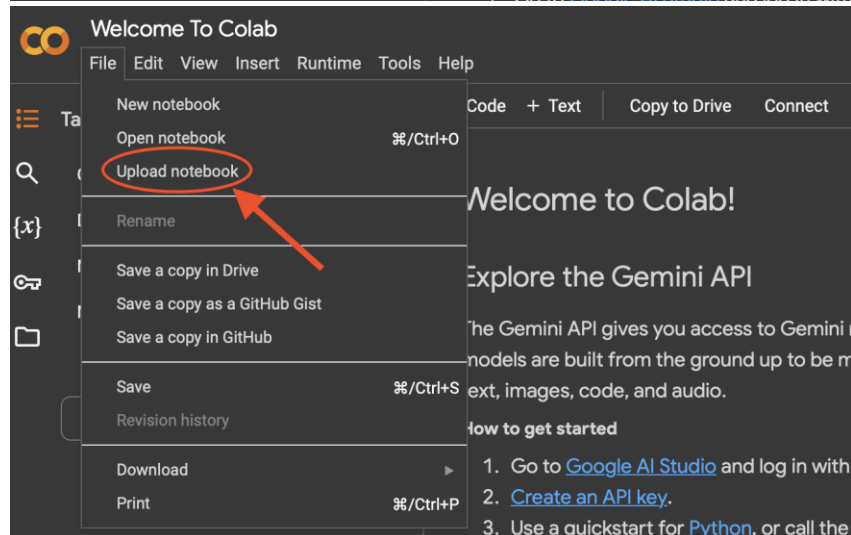
i.

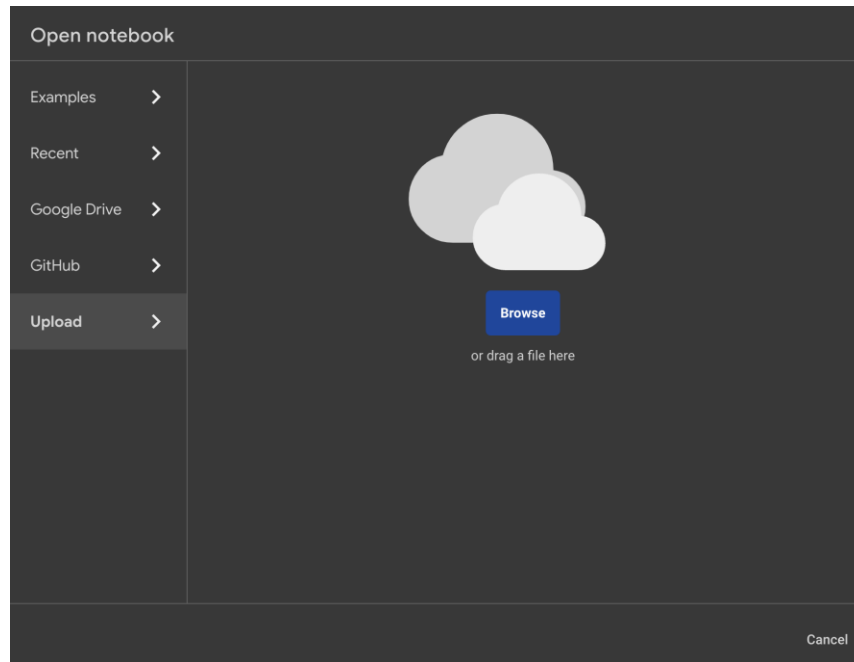5. Select "File" -> "Upload notebook"
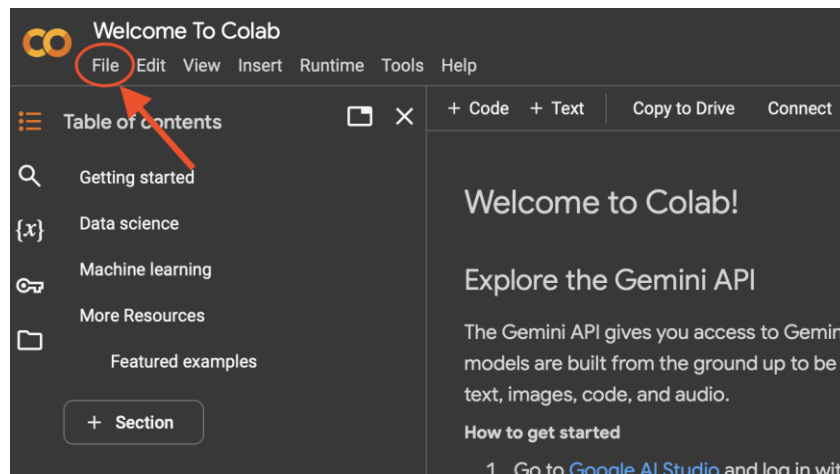
a.

b.

6. Navigate to the "Upload" tab and select "Browse"

a.

7. Select the provided notebook downloaded on your local computer from Step 2 titled "ResearchQuestions.ipynb"
8. Run the code top to bottom to ensure correct ordering of execution