# Visual Data Tagging Tool

1. Download and Install

- **Download:** https://drive.google.com/drive/folders/1Q1Y05lNAnLc4VDRDC93XnAvBYWORLjd4?fbclid=IwAR1gk2OOps9AHhpQhCqeD9OOkaEoJEpr_kMiOIpwGQuEFWv8INX4NNWulno

- **Install:**

- Windows:

Download and install file *Visal Data Tagging Tool - VdTT-2.0.0.exe*

- Linux:

Download file *Visal Data Tagging Tool - VdTT-2.0.0.AppImage* then make it executable (chmod u+x <AppImage file>)

- MacOS:

Download and install file *Visal Data Tagging Tool - VdTT-2.0.0.dmg*
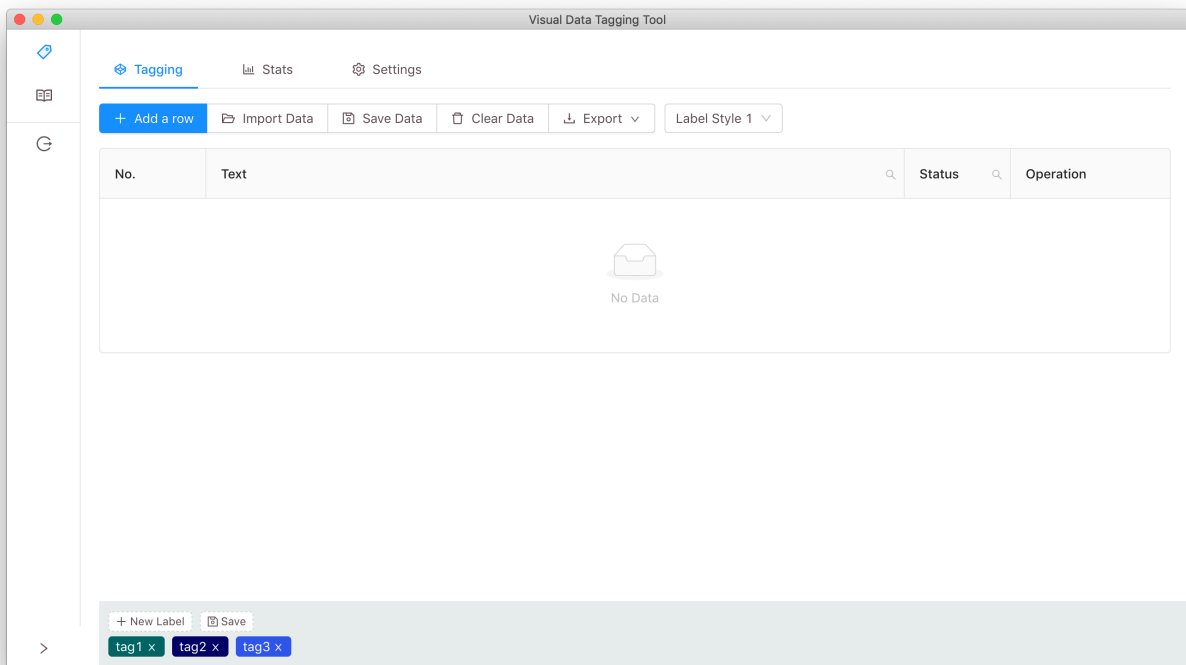
2. Tagging Guide

2.1 Create Repository
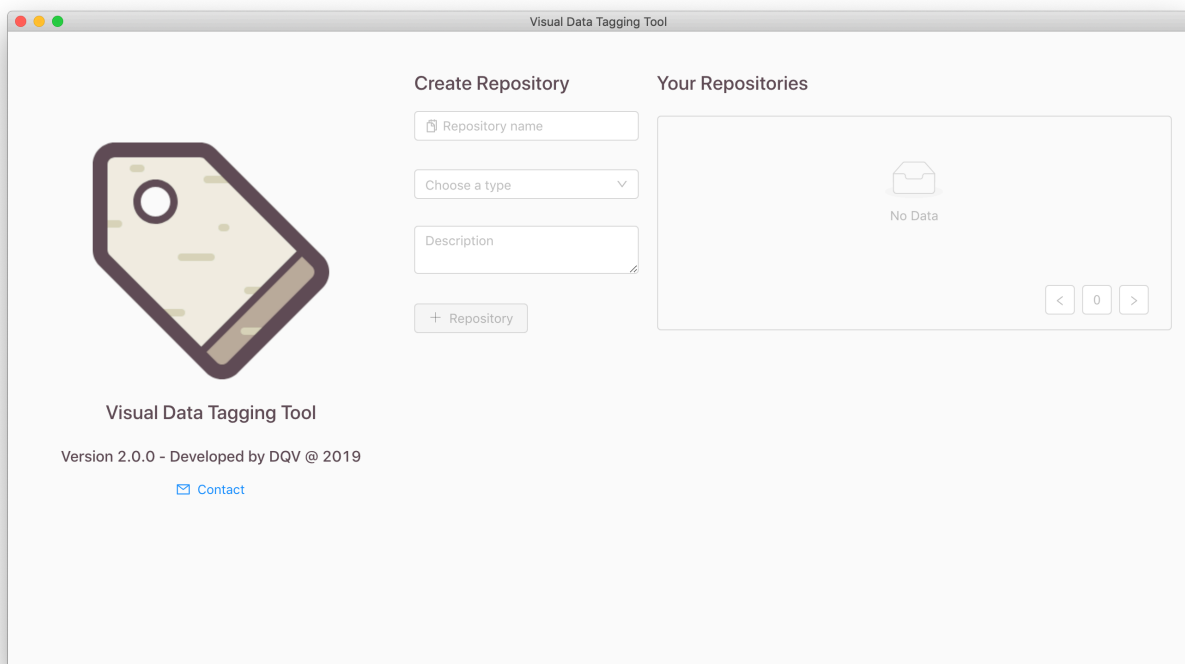
- Fill out form to create new Respository
- Currently tool supports 3 types: Named Entities, Text Classification and Dependencies
- After created, the repository appears in "Your Repositories" list
- Click to respository name to access

2.2 Named Entities Tagging

The main screen:

- First step, go to Settings tab to change Token delimiter if necessary (available two values: Space or Empty String

- **Add and import data:**

- Click "Add a row" button to add a new row. Click on cell in Text Column to edit text then press Enter or Save button to save, Discard button to discard that change

- Click "Import Data" to import data from uploaded Excel file (file format as Sample.xlsx)
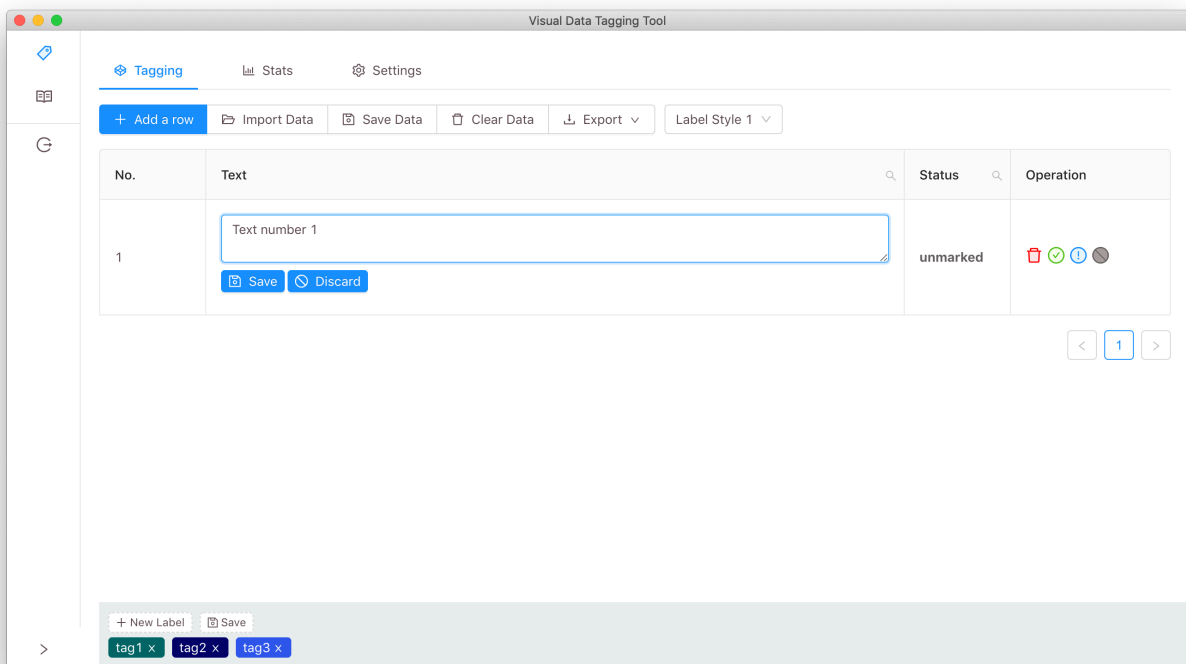
- **Add Label:**

- Click on "+ New Label" button and enter label then press Enter to add new Label

- If you want to create more than one label at the same time, enter list of label separated by comma (","). Ex: action,signer_name,issued_at,issued_by,document_type

- Click on "x" icon on the right side of the label to delete

- Click "Save" button to store label list in database
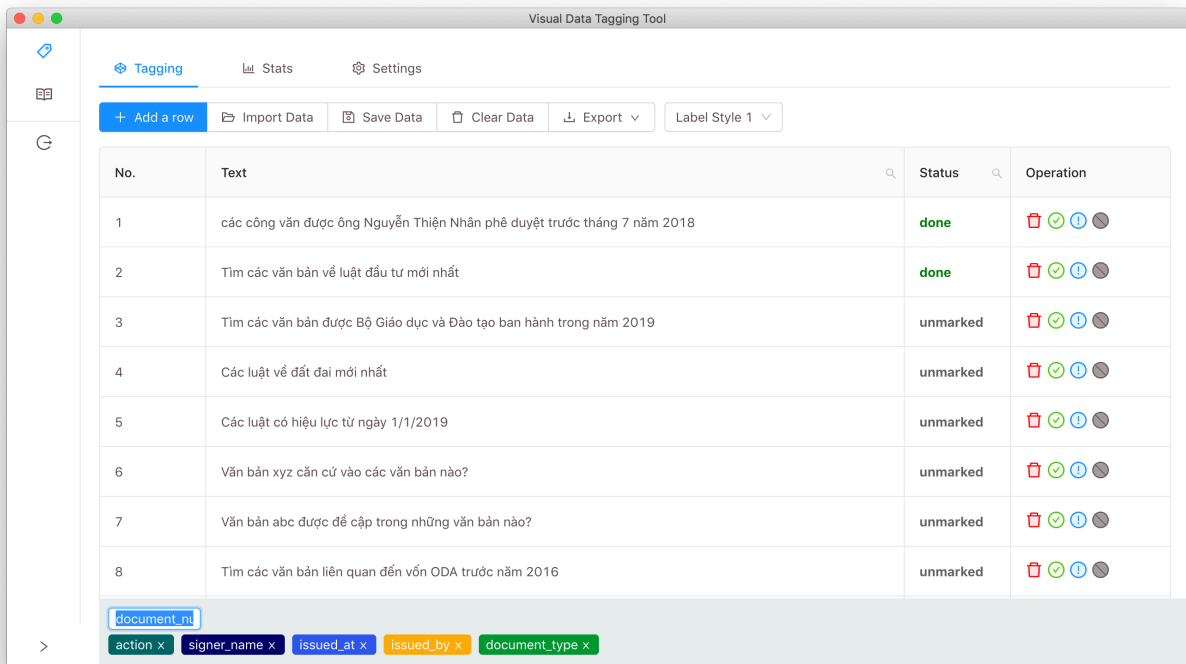
- **Tagging:**

- Select a sequence and click on label button to stick that label (or using shortkey instead). Ex: Select "công văn" then click on "action" or press shortkey "a" in keyboard. If there are more than one label with the same shortkey (issued_at, issued_by), you will press "i" one time to get "issued_at" label and press two times to get "issued_by" label. Note: pls make sure that your keyboard input is Latin if using shortkey.
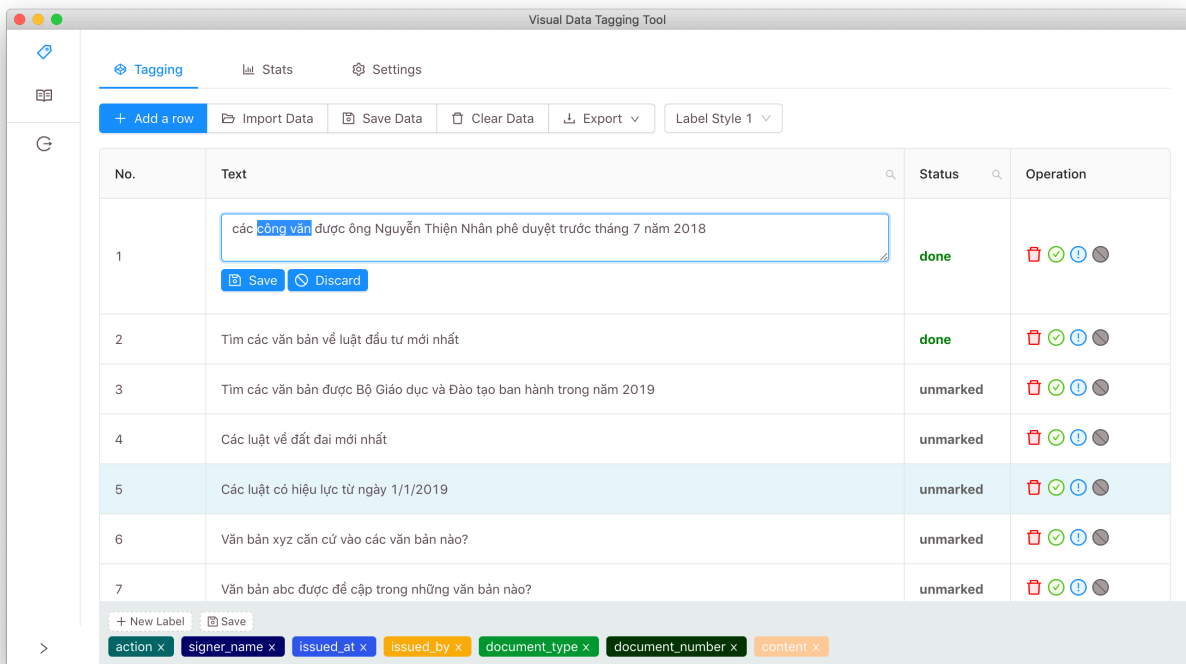
- After all, press Enter or Save button to save, Discard button to discard all changes

- If you want to remove a label, click to "x" icon on right side

- Every time you complete one, you should mark status to track later

- **Save/Clear/Export data:**

- Click on "Save Data" or using combined shortkey "Ctrl + S" (on Windows, Linux)/ "Command + S" (on MacOS) to store all data in table on database.

- Click on "Clear Data" button to remove all data in table

- Click on "Export" button and select the wanted type to export data

• **Statistics:**
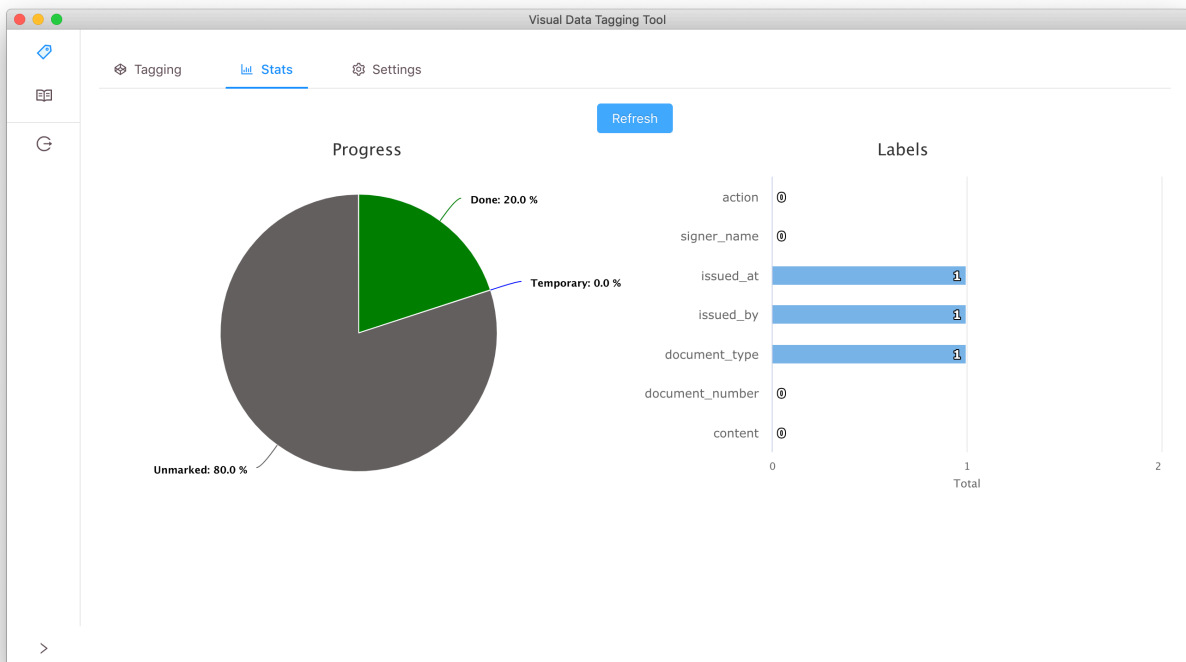
- Give the current working progress chart and number of labels was tagged in dataset