

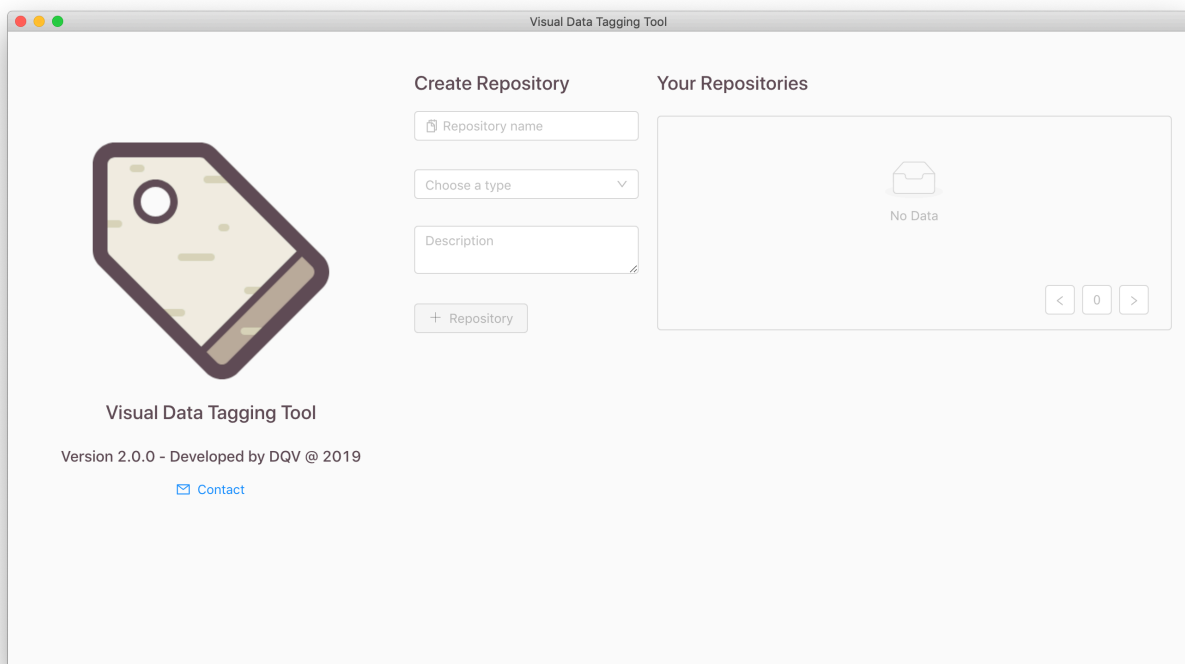
# Visual Data Tagging Tool

## 1. Download and Install

- **Download:** [https://drive.google.com/drive/folders/1Q1Y05INAnLc4VDRDC93XnAvBYWORLjd4?fbclid=IwAR1gk2OOps9AHhpQhCqeD9OOkaEoJEpr\\_kMiOlpwGQuEFWv8INX4NNWulno](https://drive.google.com/drive/folders/1Q1Y05INAnLc4VDRDC93XnAvBYWORLjd4?fbclid=IwAR1gk2OOps9AHhpQhCqeD9OOkaEoJEpr_kMiOlpwGQuEFWv8INX4NNWulno)
- **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.Applmage* then make it executable (chmod u+x <Applmage file>)
  - MacOS:  
Download and install file *Visal Data Tagging Tool - VdTT-2.0.0.dmg*

## 2. Tagging Guide

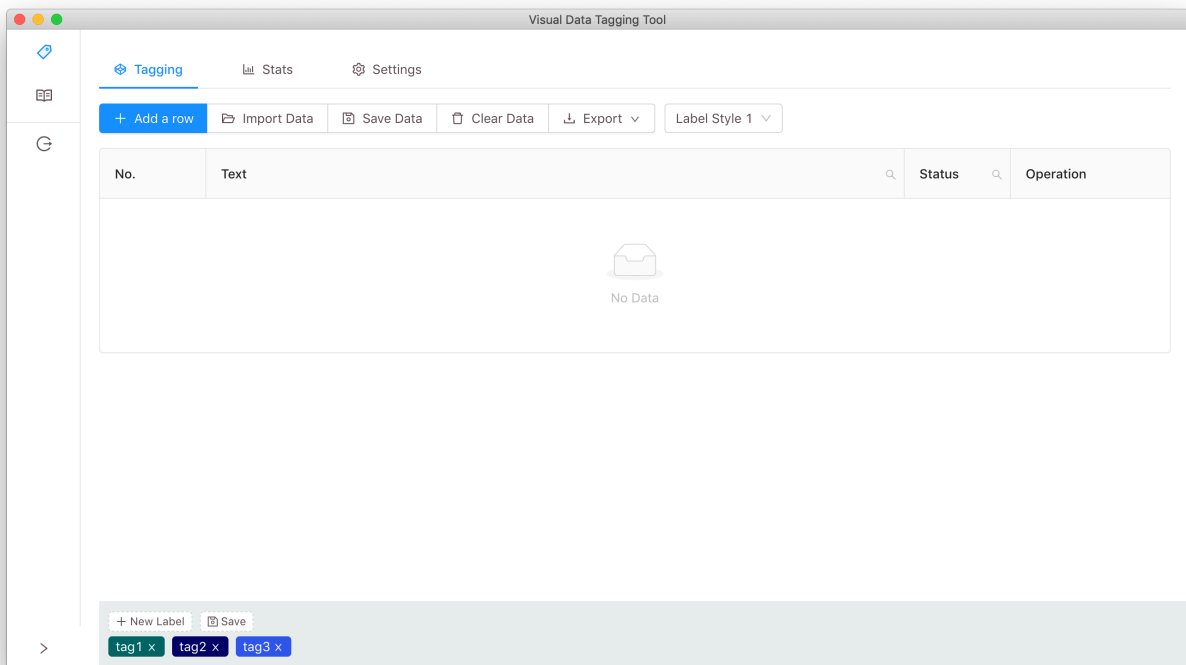
### 2.1 Create Repository



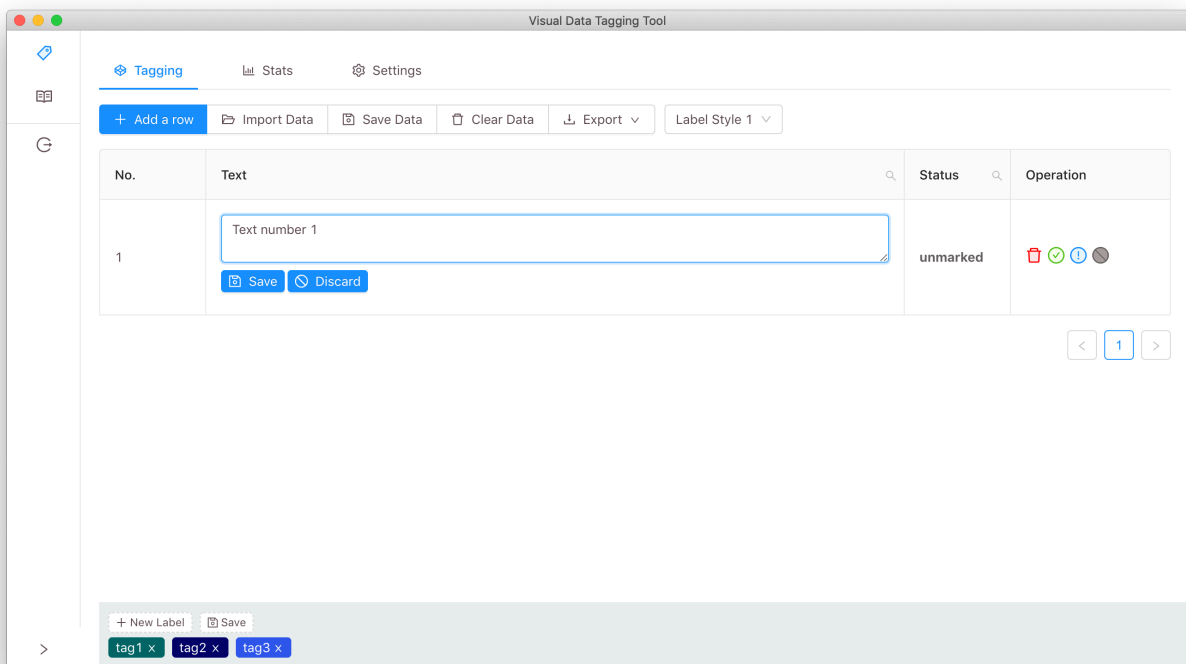
- Fill out form to create new Repository
- Currently tool supports 3 types: Named Entities, Text Classification and Dependencies
- After created, the repository appears in “Your Repositories” list
- Click to repository name to access

### 2.2 Named Entities Tagging

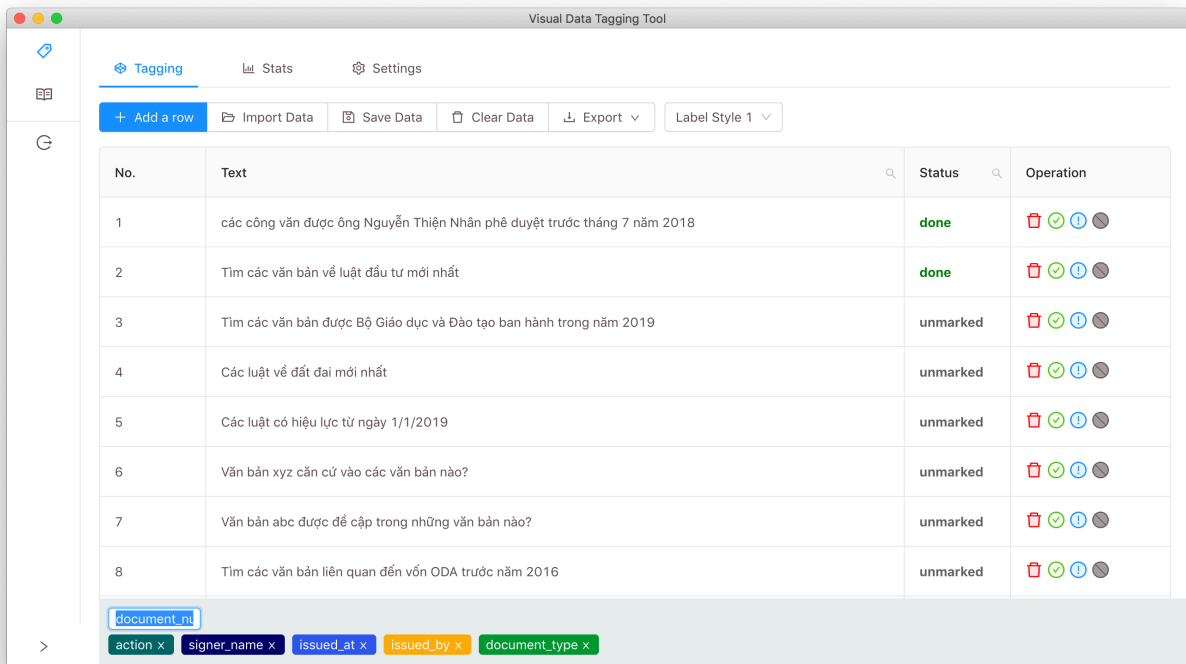
The main screen:



- 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)

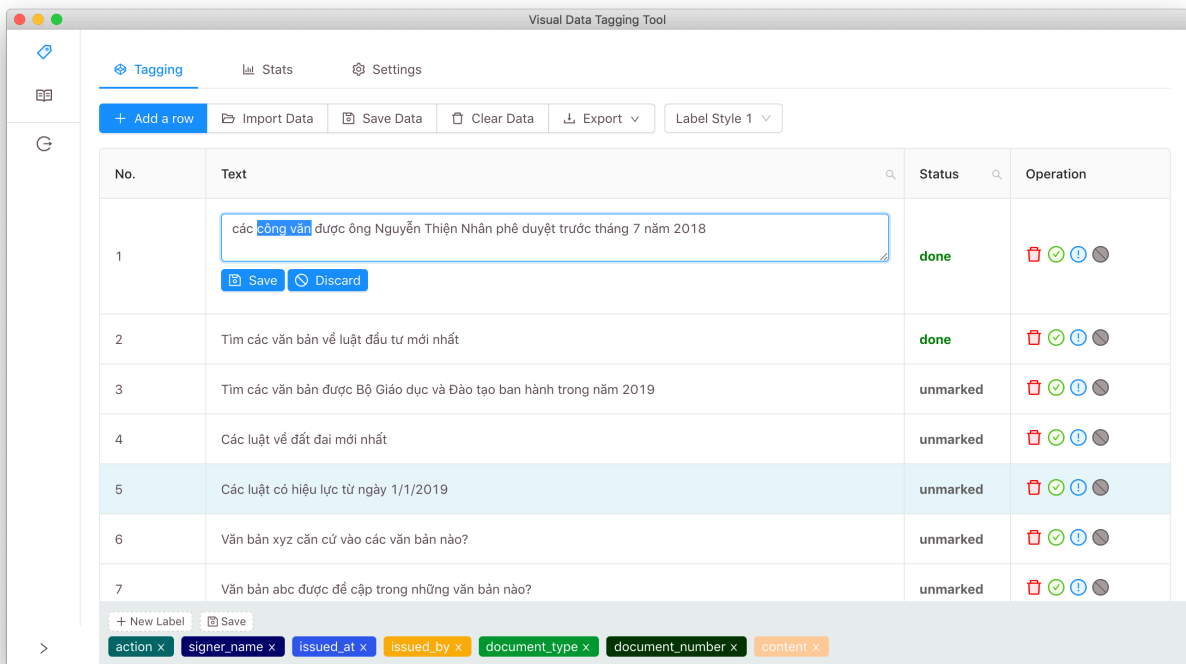


- **Add Label:**
  - Click on “+ New Label” button and enter label then press Enter to add new Label
  - If you want to create more than one label at the same time, enter list of label separated by comma (“,”). Ex: action,signer\_name,issued\_at,issued\_by,document\_type
  - Click on “x” icon on the 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 shortcut instead). Ex: Select “công văn” then click on “action” or press shortcut “a” in keyboard. If there are more than one label with the same shortcut (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 shortcut.



- 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 shortcut “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

Visual Data Tagging Tool

Tagging Stats Settings

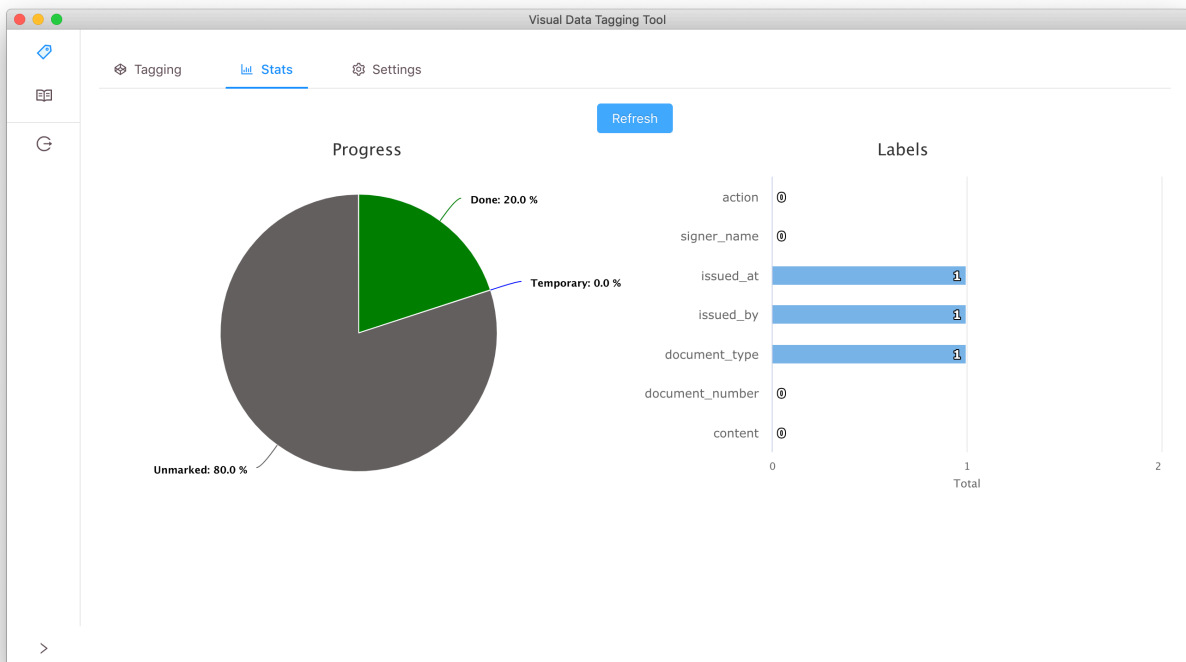
+ Add a row Import Data Save Data Clear Data Export Label Style 1

No.	Text	Status	Operation
1	các công văn x được ông Nguyễn Thiện Nhân x phê duyệt trước tháng 7 năm 2018 x	done	🗑️✅🕒🔍
2	Tìm các văn bản về luật đầu tư mới nhất	done	🗑️✅🕒🔍
3	Tìm các văn bản được Bộ Giáo dục và Đào tạo ban hành trong năm 2019	unmarked	🗑️✅🕒🔍
4	Các luật về đất đai mới nhất	unmarked	🗑️✅🕒🔍
5	Các luật có hiệu lực từ ngày 1/1/2019	unmarked	🗑️✅🕒🔍
6	Văn bản xyz căn cứ vào các văn bản nào?	unmarked	🗑️✅🕒🔍
7	Văn bản abc được đề cập trong những văn bản nào?	unmarked	🗑️✅🕒🔍
8	Tìm các văn bản liên quan đến vốn ODA trước năm 2016	unmarked	🗑️✅🕒🔍

+ New Label Save

action x signer\_name x issued\_at x issued\_by x document\_type x document\_number x content x

- 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