

Label Studio Instruction

Website: <https://labelstud.io/>

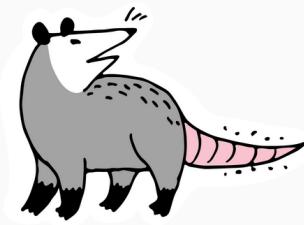
Github: <https://github.com/HumanSignal/label-studio/>

How to install:

- conda create --name LabelStudio python=3.10
- conda activate LabelStudio
- install: pip install 'label-studio>=1.9.0'
- launch: label-studio
- Create your account
- Go to <http://localhost:8080/> if not redirected automatically
- Create an account

Image Classification:

- Create a project



Heidi doesn't see any projects here

Create one and start labeling your data

Create Project

Project Name	Data Import	Labeling Setup	Delete	Save
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Project Name
Cats & Dogs Classif

Description
Annotation of image of cats & dogs for classification task

- Import images

Import Data

[Cancel](#) [Import](#)

[Dataset URL](#) [Add URL](#) or [Upload More Files](#)

63 files uploaded

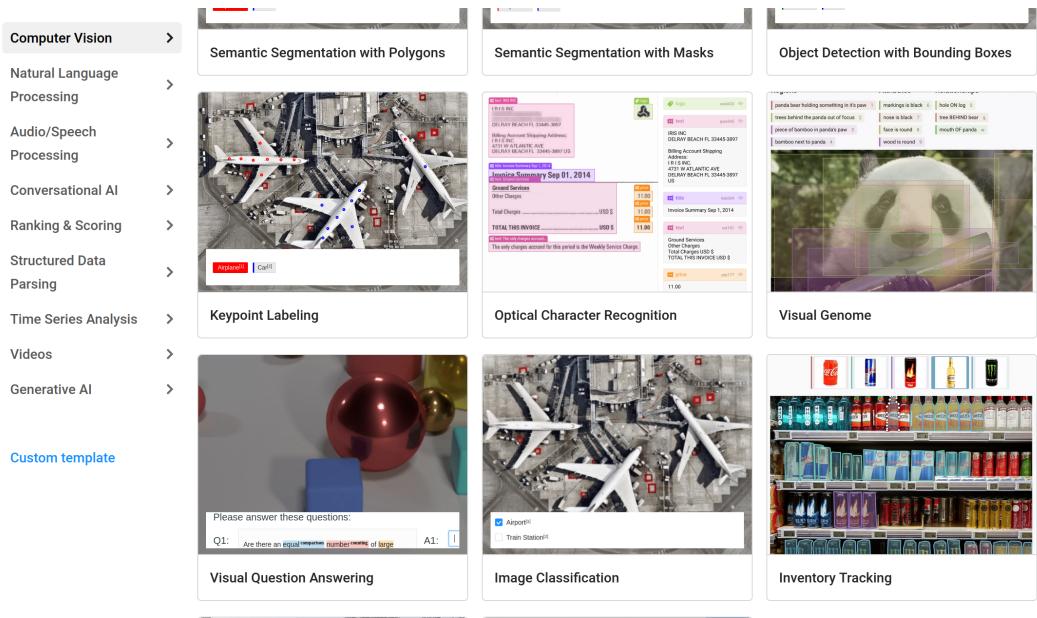
upload/1/46ae6981-dog.4036.jpg
upload/1/a183fd7e-dog.4035.jpg
upload/1/a2f0439f-dog.4034.jpg
upload/1/25cc8601-dog.4032.jpg
upload/1/9fb10737-dog.4031.jpg
upload/1/0425e287-dog.4030.jpg
upload/1/c57ee994-dog.4029.jpg
upload/1/258c4173-dog.4028.jpg
upload/1/156cdde2-dog.4027.jpg
upload/1/2230167f-dog.4025.jpg
upload/1/2c3502e3-dog.4024.jpg
upload/1/725cc789-dog.4023.jpg
upload/1/441738b3-dog.4022.jpg
upload/1/d3f13657-dog.4021.jpg
upload/1/fa0ad806-dog.4020.jpg

- Go to “Settings” → “Labeling Interface” → “Browse Templates”

The screenshot shows the 'General' sidebar on the left with options like 'Labeling Interface' (selected), 'Instructions', 'Machine Learning', 'Cloud Storage', 'Webhooks', and 'Danger Zone'. The main area is titled 'Browse Templates' with tabs for 'Code' and 'Visual'. The 'Code' tab is selected, displaying the following XML code:

```
1 <View>
2 </View>
3
```

- Choose Image Classification in Computer Vision



- Remove default choices and add your labels → Click save

Browse Templates Code Visual

Configure data

Use image from <imported file> ▾

Add choices

G

Choices (2)

Cat	✖
Dog	✖

Add

Configure settings

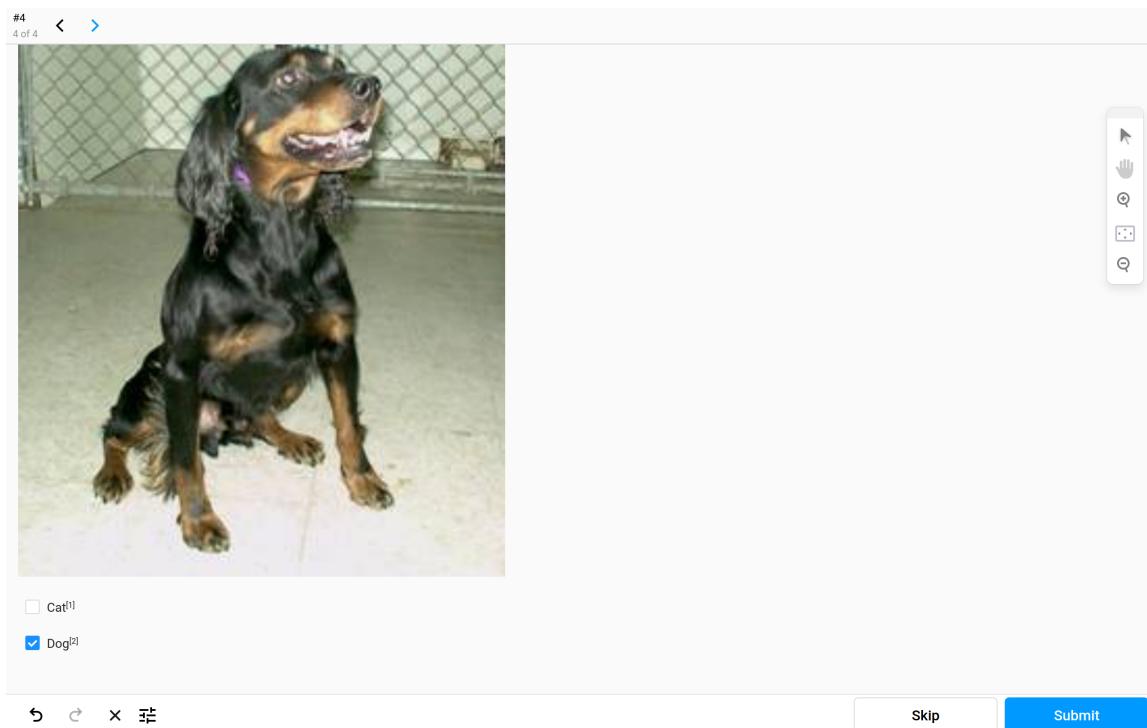
Width of region borders

Allow image zoom (ctrl+wheel)
 Show controls to zoom in and out
 Show controls to rotate image

- Click “Label All Tasks”

Default						Actions	Columns	Filters	Order	not set	Label All Tasks	Import	Export	List	Grid	Tasks: 63 / 63 Annotations: 0 Predictions: 0
	ID	Completed														
<input type="checkbox"/>	1		0	0	0						/data/upload/1/46aae6981-dog.4036.jpg					
<input type="checkbox"/>	2		0	0	0						/data/upload/1/a183fd7e-dog.4035.jpg					
<input type="checkbox"/>	3		0	0	0						/data/upload/1/a2f0439f-dog.4034.jpg					
<input type="checkbox"/>	4		0	0	0						/data/upload/1/25cc8601-dog.4032.jpg					
<input type="checkbox"/>	5		0	0	0						/data/upload/1/9fb10737-dog.4031.jpg					

- For each image select the class and click submit

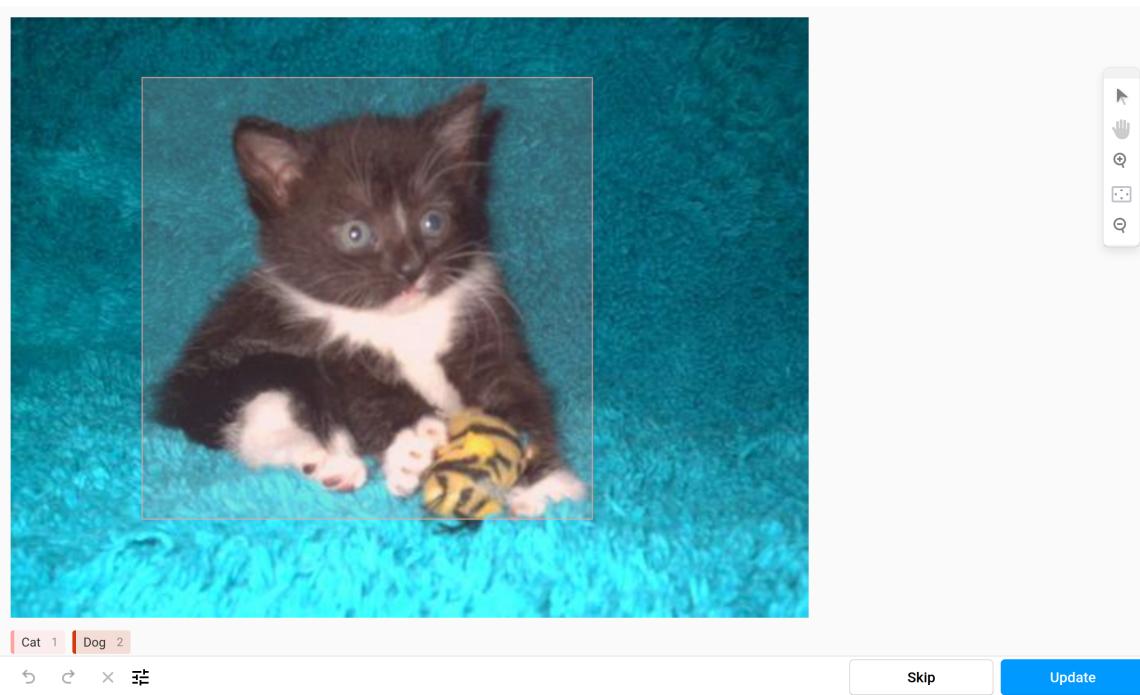


- Click export and choose the format (CSV, JSON). Images are not in the export so you may need to deal with the names.

annotation_id	annotator	choice	created_at	id	image	lead_time	updated_at
1	1 Dog		2023-10-16T13:22:35.373252Z	1	/data/upload/1/46ae6981-dog.4036.jpg	24.712	2023-10-16T13:23:40.605093Z
2	1 Dog		2023-10-16T13:22:41.743738Z	2	/data/upload/1/a183fd7e-dog.4035.jpg	9.525	2023-10-16T13:23:47.364054Z
3	1 Dog		2023-10-16T13:23:54.832069Z	3	/data/upload/1/a2f0439f-dog.4034.jpg	4.715	2023-10-16T13:23:54.832086Z
4	1 Dog		2023-10-16T13:24:27.389825Z	4	/data/upload/1/25cc8601-dog.4032.jpg	32.281	2023-10-16T13:24:27.389842Z
5	1 Dog		2023-10-16T13:24:35.783229Z	5	/data/upload/1/9fb10737-dog.4031.jpg	8.103	2023-10-16T13:24:35.783247Z
6	1 Dog		2023-10-16T13:24:38.496742Z	6	/data/upload/1/0425e287-dog.4030.jpg	2.398	2023-10-16T13:24:38.496760Z
7	1 Dog		2023-10-16T13:27:06.888911Z	7	/data/upload/1/c57ee994-dog.4029.jpg	6.26	2023-10-16T13:27:06.888932Z
8	1 Dog		2023-10-16T13:27:12.591440Z	8	/data/upload/1/258c4173-dog.4028.jpg	5.414	2023-10-16T13:27:12.591458Z
9	1 Dog		2023-10-16T13:27:13.935147Z	9	/data/upload/1/156cdea2-dog.4027.jpg	1.061	2023-10-16T13:27:13.935166Z
10	1 Dog		2023-10-16T13:27:15.080687Z	10	/data/upload/1/2230167f-dog.4025.jpg	0.874	2023-10-16T13:27:15.080707Z
11	1 Dog		2023-10-16T13:27:16.085846Z	11	/data/upload/1/2c3502e3-dog.4024.jpg	0.736	2023-10-16T13:27:16.085869Z
12	1 Dog		2023-10-16T13:27:17.156977Z	12	/data/upload/1/725cc789-dog.4023.jpg	0.772	2023-10-16T13:27:17.156998Z
13	1 Dog		2023-10-16T13:27:18.193881Z	13	/data/upload/1/441738b3-dog.4022.jpg	0.766	2023-10-16T13:27:18.193899Z
14	1 Dog		2023-10-16T13:27:19.119996Z	14	/data/upload/1/d3f13657-dog.4021.jpg	0.645	2023-10-16T13:27:19.120014Z
15	1 Dog		2023-10-16T13:27:20.005459Z	15	/data/upload/1/fa0ad806-dog.4020.jpg	0.633	2023-10-16T13:27:20.005488Z
16	1 Dog		2023-10-16T13:27:20.957641Z	16	/data/upload/1/bb2c5fa1-dog.4019.jpg	0.673	2023-10-16T13:27:20.957664Z
17	1 Dog		2023-10-16T13:27:21.987786Z	17	/data/upload/1/72565fab-dog.4018.jpg	0.757	2023-10-16T13:27:21.987803Z
18	1 Dog		2023-10-16T13:27:22.859195Z	18	/data/upload/1/b5b23418-dog.4017.jpg	0.628	2023-10-16T13:27:22.859212Z
19	1 Dog		2023-10-16T13:27:23.725949Z	19	/data/upload/1/ab93941e-dog.4016.jpg	0.56	2023-10-16T13:27:23.725967Z
20	1 Dog		2023-10-16T13:27:24.601433Z	20	/data/upload/1/9233e841-dog.4015.jpg	0.582	2023-10-16T13:27:24.601450Z
21	1 Dog		2023-10-16T13:27:25.463644Z	21	/data/upload/1/2eee35ca-dog.4014.jpg	0.585	2023-10-16T13:27:25.463666Z
22	1 Dog		2023-10-16T13:27:26.310551Z	22	/data/upload/1/b20f6e4c-dog.4012.jpg	0.562	2023-10-16T13:27:26.310567Z
23	1 Dog		2023-10-16T13:27:27.199255Z	23	/data/upload/1/211da00f-dog.4011.jpg	0.619	2023-10-16T13:27:27.199273Z
24	1 Dog		2023-10-16T13:27:28.035527Z	24	/data/upload/1/27f9c7a6-dog.4010.jpg	3.022	2023-10-16T13:32:27.814547Z
25	1 Dog		2023-10-16T13:27:29.241629Z	25	/data/upload/1/2135d0a8-dog.4009.jpg	0.985	2023-10-16T13:27:29.241645Z
26	1 Dog		2023-10-16T13:27:30.131090Z	26	/data/upload/1/b1b3acd8e-dog.4007.jpg	0.587	2023-10-16T13:27:30.131108Z
27	1 Dog		2023-10-16T13:27:31.044051Z	27	/data/upload/1/c56b940b-dog.4006.jpg	0.674	2023-10-16T13:27:31.044069Z
28	1 Dog		2023-10-16T13:27:31.901882Z	28	/data/upload/1/2da45757-dog.4005.jpg	0.578	2023-10-16T13:27:31.901898Z
29	1 Dog		2023-10-16T13:27:32.787300Z	29	/data/upload/1/b42e9f33-dog.4004.jpg	0.62	2023-10-16T13:27:32.787318Z
30	1 Dog		2023-10-16T13:27:34.777153Z	30	/data/upload/1/a0fb182f-dog.4001.jpg	1.707	2023-10-16T13:27:34.777170Z

Object detection:

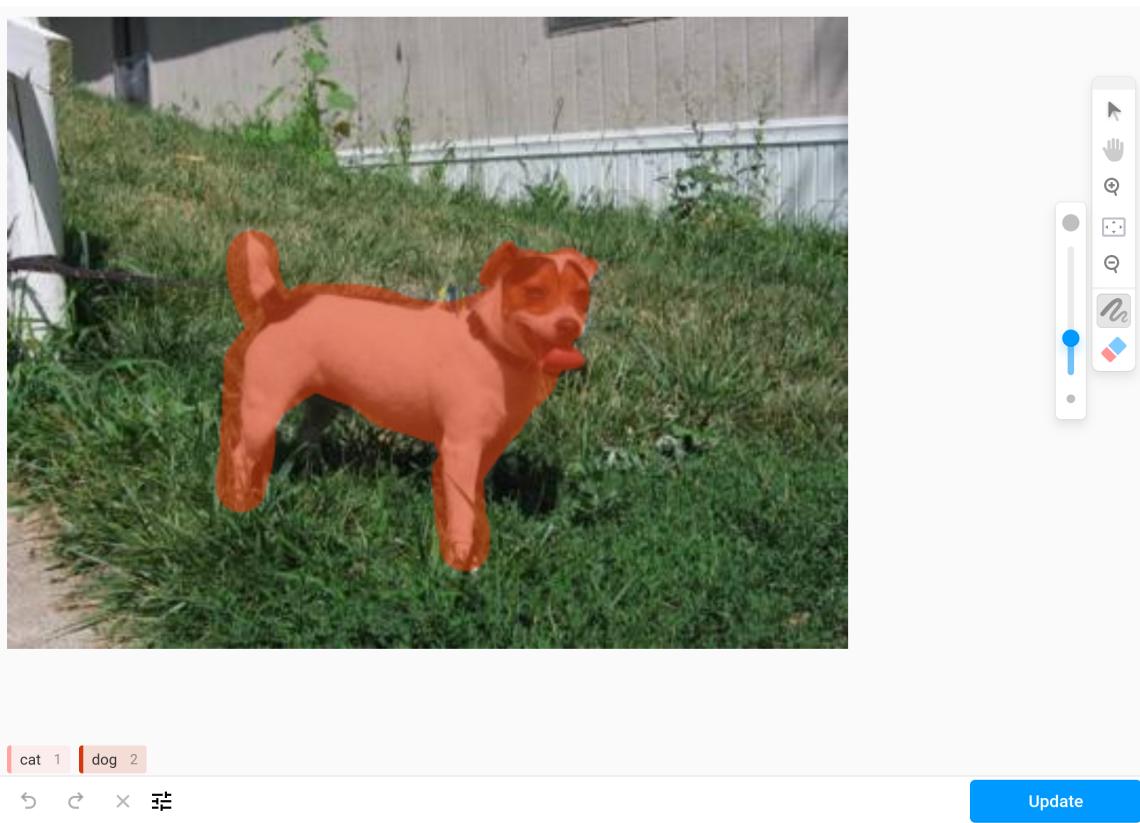
- Create a project
- Import images
- Go to “Settings” → “Labeling Interface” → “Browse Templates”
- Choose Object Detection with Bounding Boxes in Computer Vision
- Remove default choices and add your labels → Click save
- Click “Label All Tasks”
- For each image select the class and select the zone of the object with your cursor



- Click export and choose the format (COCO <https://www.section.io/engineering-education/understanding-coco-dataset/>). Images are exported (ready to be used)

Semantic Segmentation with mask:

- Create a project
- Import images
- Go to “Settings” → “Labeling Interface” → “Browse Templates”
- Choose Semantic Segmentation with mask in Computer Vision
- Remove default choices and add your labels → Click save
- Click “Label All Tasks”
- For each image select the class and brush the zone of the object with your cursor

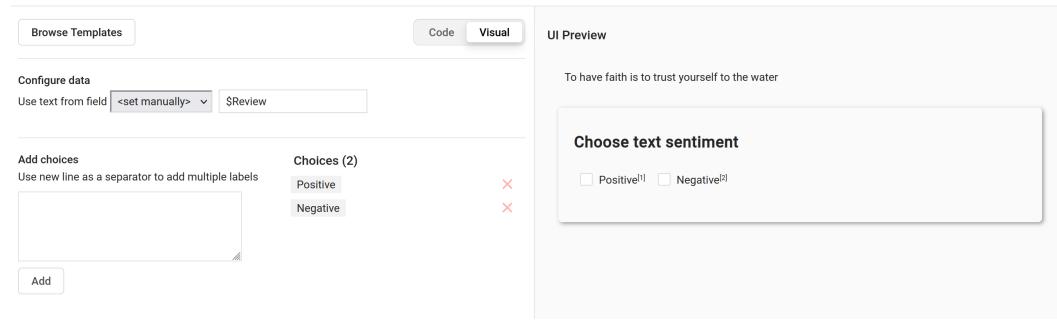


- Click export and choose the format. Base image not included and 1 image per annotation so it may need some processing for a model.

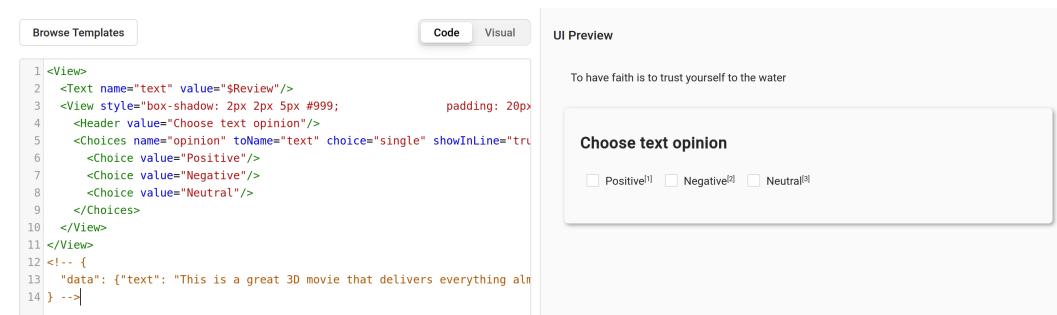
Text Classification:

Depending on the version, there might be a bug on Firefox to display the text. Upgrading to a newer version (version 1.9) or using another browser like Google Chrome should solve this issue.

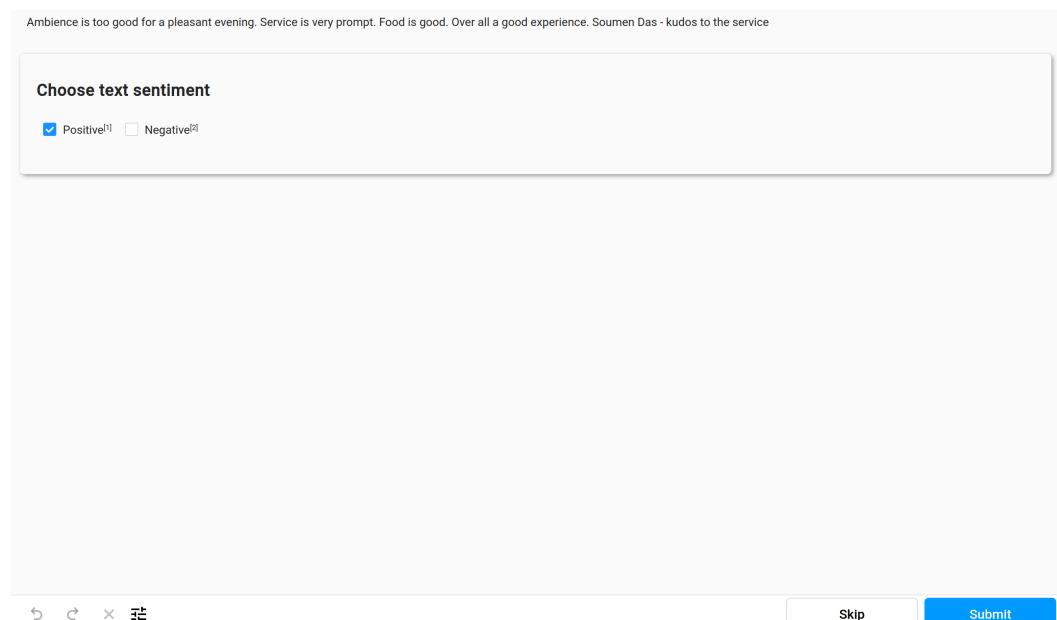
- Create a project
- Import CSV
- In “treat CSV/TSV as” select “List of tasks”
- Go to “Settings” → “Labeling Interface” → “Browse Templates”
- Choose Name Entity Recognition in Natural Language Processing
- Choose the right field (Configure data → \$NameInTheCSV or select in the list)



- Remove default choices and add your labels → Click save
- To change the name of the target variable (BEFORE STARTING THE ANNOTATION):
 - Go in Code mode
 - Change the value in <Choices name="your_value" ...
 - Save



- Click “Label All Tasks”
- For each text select the class and click submit or update



- Click export and choose the format.

Name Entity Recognition:

- Create a project
- Import CSV
- In “treat CSV/TSV as” select “List of tasks”
- Go to “Settings” → “Labeling Interface” → “Browse Templates”
- Choose Name Entity Recognition in Natural Language Processing
- Choose the right field (Configure data → \$NameInTheCSV or select in the list)
- Remove default choices and add your labels → Click save
- Click “Label All Tasks”
- For each text select the label and then select the associated words for each label class and click submit or update

Lionel Andrés Messi born 24 June 1987, also known as Leo Messi, is an Argentine professional footballer who plays as a forward for and captains both Major League Soccer club Inter Miami and the Argentina national team. Widely regarded as one of the greatest players of all time, Messi has won a record seven Ballon d'Or awards[note 2] and a record six European Golden Shoes, and in 2020 he was named to the Ballon d'Or Dream Team. Until leaving the club in 2021, he had spent his entire professional career with Barcelona, where he won a club-record 34 trophies, including ten La Liga titles, seven Copa del Rey titles and the UEFA Champions League four times.[note 3] With his country, he won the 2021 Copa América and the 2022 FIFA World Cup. A prolific goalscorer and creative playmaker, Messi holds the records for most goals in La Liga (474), most hat-tricks in La Liga (36) and the UEFA Champions League (eight), and most assists in La Liga (192) and the Copa América (17). He also has the most international goals by a South American male (104). Messi has scored over 800 senior career goals for club and country, and has the most goals by a player for a single club (672).

- Click export and choose the format.