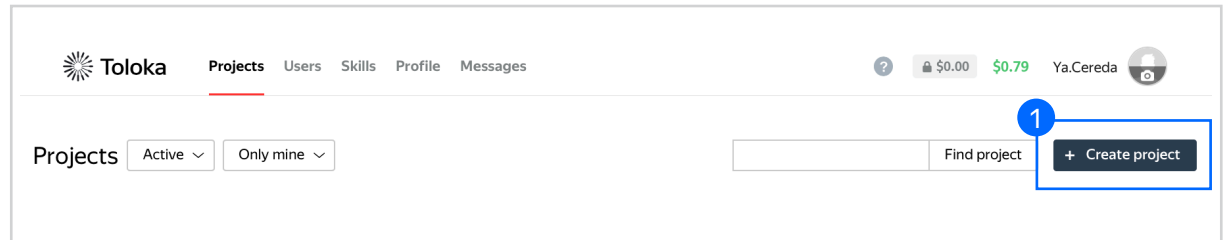




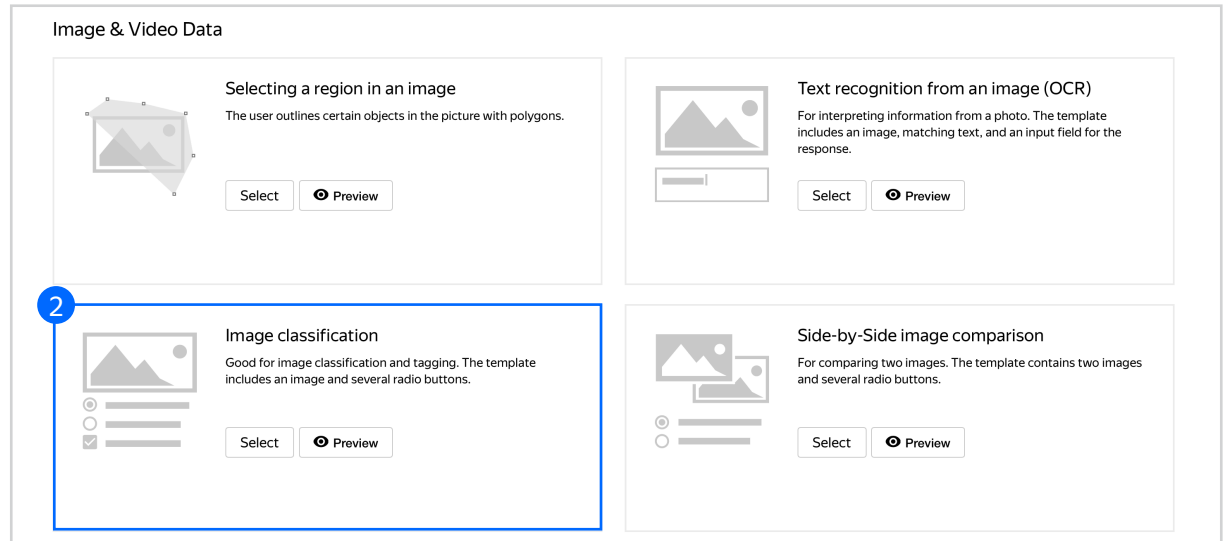
Binary image classification manual

Create a project

1. Click + **Create project**



2. Choose the **Image classification** template

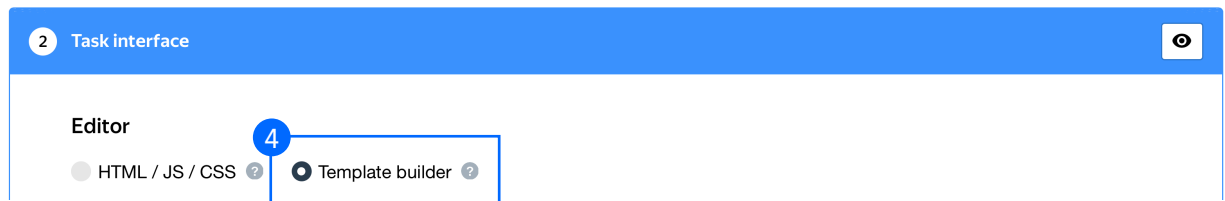


3. Enter a clear project name and description. Click **Save**

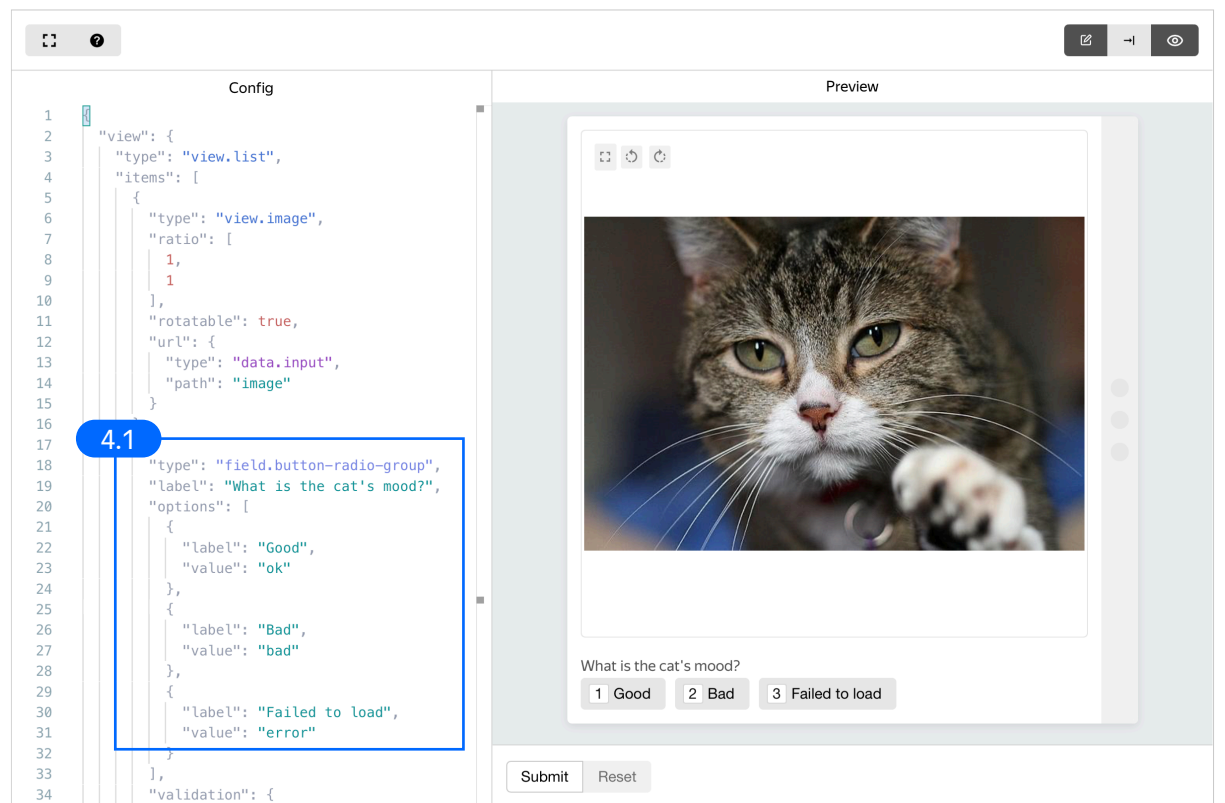
Note: The project will be visible to others

The screenshot shows the 'General information' form for creating a project. It has a blue header with the number '1' and the text 'General information'. The form contains two input fields: 'Name to show performers' (with a red asterisk indicating it's required) and 'Description for performers'. The 'Name to show performers' field contains the text 'Is it a cat or a dog?'. The 'Description for performers' field contains the text 'Look at the picture and decide whether there is a cat or a dog.'. To the right of the form, there's a preview box showing a five-star rating, the title 'Is it a cat or a dog?', the description 'Look at the picture and decide whether there is a cat or a dog.', and the pricing '0\$ per task' and '~0\$ per hour'. At the bottom left of the form, there's a '+ Private comment' link and a 'Save' button, which is highlighted with a blue box and a blue circle with the number '3'.

4. Update the task interface in the Template Builder block



4.1. Find the part of the config with the question from the task and the possible answers (starting from line 17)



4.2. Replace the default question and answers with the ones you need. You can find the full config in the Appendix at the end of this manual

Config

```
1 {
2   "view": {
3     "type": "view.list",
4     "items": [
5       {
6         "type": "view.image",
7         "ratio": [
8           1,
9           1
10        ],
11        "rotatable": true,
12        "url": {
13          "type": "data.input",
14          "path": "image"
15        }
16      }
17    ]
18    "type": "field.button-radio-group",
19    "label": "Is it a cat or a dog?",
20    "options": [
21      {
22        "label": "Cat",
23        "value": "cat"
24      },
25      {
26        "label": "Dog",
27        "value": "dog"
28      },
29      {
30        "label": "Other",
31        "value": "other"
32      }
33    ],
34    "validation": {
```

Preview

Is it a cat or a dog?

1 Cat

2 Dog

3 Other

Submit

Reset

4.3. Leave other interface settings as default and click **Save**

Data specification ?

Input data

image (URL) •

Add field

Output data <>

result (string) •

Add field

Common interface elements

☒ Remaining time ☒ Price per page ☒ Task name ☒ Contact requester button ☒ Instructions button ☒ Fullscreen button

☒ Submit button ☒ Skip button ☒ Exit button

4.3

Save

5. Write short and simple instructions. Click **Save**

3 Instructions for performers

When a performer selects a task, they first see the instructions that you wrote. Describe what needs to be done and give examples. You can prepare your instructions in HTML format, then copy and paste them into the editor. Press < > to switch to HTML mode. To learn more, see the [documentation](#).

Decide what category the image belongs to.

Select **"Cat"** if the picture contains one or more cats.

Select **"Dog"** if the picture contains one or more dogs.

Select **"Other"** if:

- the picture contains both cats and dogs
- the picture is a picture of animals other than cats and dogs
- it is not clear whether the picture is of a cat or of a dog

5 **Save**

6. Fill in “Name and description” and “Instructions” in the **Translations** block for each language that you want performers to see. If you leave these fields empty, the language is inactive. Click **Save**

4 Translations

i Performers from different countries will understand the purpose of the task better if the instructions and all descriptions are in their native language. Fill in "Name and description" and "Instructions" for each language that you want performers to see. If you leave these empty, the language is inactive.

Source language
English

Translations

Language	Name and description for performers	Instructions for performers
✓ English (Source)	✓	✓

Add translation

6 **Save**

7. Click **Finish** to save the project

Edit project

[Back to the old interface](#) Cancel Finish

- ✓ General information
- ✓ Task interface
- ✓ Instructions for performers
- ✓ Translations

Note: To edit project parameters, click the button in the list of projects or go to **Project actions** → **Edit** on the project page

Is it a cat or a dog? — active

Project actions ^

Statistics for 7 days

Submitted tasks	Spent	Quality: control tasks	Quality: training tasks	Average submit time	Users	Banned users
0	0\$	-	-	-	0	0

- Edit
- Clone
- Archive
- Preview

Create a pool

1. Click **Add a pool**

The screenshot displays the Toloka project management interface for a project titled "Is it a cat or a dog? — active". At the top, there is a "Project actions" dropdown menu. Below this, a "Statistics for 7 days" section shows various metrics: Submitted tasks (0), Spent (0 \$), Quality: control tasks (-), Quality: training tasks (-), Average submit time (-), Users (0), and Banned users (0). The main navigation bar includes tabs for Pools, Training, Statistics, and Quality control. The "Pools" tab is selected, and within it, there are sub-tabs for "Active and closed" and "Archived", along with a "Filters" button and a search input field. A blue box with a circled number "1" highlights the "Add a pool" button in the top right corner of the "Pools" section. Below the sub-tabs, a message states: "Pools can be archived manually or automatically (automatic archiving applies to pools with no activity for 30 days)." A table header is visible with columns: Title, Priority, Progress, Status, Started, and To be completed. A note below the header reads: "To launch a project, you first need to add a pool, set user filters and quality control rules, and upload tasks." In the bottom right corner, there is a dropdown menu showing "50".

2. Give the pool any name you find suitable. You are the only one who will see it.

The description can be either public or private. Choose the option you prefer

2

POOL NAME (VISIBLE ONLY TO YOU) ? Is it a cat or a dog?

☒ Use project description

PUBLIC DESCRIPTION ? Look at the picture and decide whether there is a cat or a dog.

☐ Add a private description

3. Specify [pool parameters](#):

- 3.1. Set a pool type. Choose **Other**

3

POOL TYPE ? Other

—
Exam
Training
3.1 Retry
✓ Other

PRICE IN US DOLLARS ? FEE ? 0.014

- 3.2. Set the price per task suite (for example, \$0.07)

Price per task suite

Each task suite can have one or multiple tasks on the same page. Enter the total price for all tasks in the suite.

3.2

PRICE IN US DOLLARS ? 0.07

FEE ? 0.014

+ Dynamic pricing

3.3. [Filter](#) performers who can access the task. Choose “No” in the **Adult content** block. Click **Add filter** to choose the **Languages** option in the list

3.3

Performers

Filter performers who can access the task.
Toloka has users from different countries, so don't forget to filter by language and region. [Learn more](#)

[Copy settings from...](#)

ADULT CONTENT ? ☐ No

Add filter Create a skill

OS major version
OS minor version
OS versions
Performer rating
Region by IP
Region by phone number
Type of client application
User agent minor version

Performer profile

Adult content
Citizenship
City
Country
Date of birth
Education
Gender
Languages
Verified

Skills

My skills
Add filter

3.4. Select English-speaking performers using the **Language = English** filter

Performers

Filter performers who can access the task.
Toloka has users from different countries, so don't forget to filter by language and region. [Learn more](#)

[Copy settings from...](#)

ADULT CONTENT ? ☐ No

Add filter Create a skill

3.4

PERFORMER PROFILE

Languages = English X trash +

3.5. Set up [Quality control](#): **Golden Set aka Control tasks**. Ban performers who give incorrect responses to control tasks. Click **+ Add Quality Control Rule** and choose **Basic** preset

3.6. Scroll down to **Control tasks**. Set the number of responses (at least 3) and the percentage of correct responses (less than 60).

Example: If the **number of responses** is ≥ 3 and **correct responses (%)** account for < 60 , then **ban on project for 10 days**. Optionally, add [other quality control rules](#)

3.7. Overlap. This is the number of users who will complete the same task. For example, 3

Overlap

Specify how many performers you want to complete each task in the pool.

3.7

OVERLAP ? 3

DYNAMIC OVERLAP ? ☐ Off

3.8. Optionally, specify the percentage of top-rated performers in the [Speed / Quality ratio](#)

Note: This can slow down pool completion


Speed/quality ratio

Set additional filters to restrict performer access based on their rating in Toloka. This boosts quality but may slow down project completion because there will be fewer performers available to complete tasks. [Learn more...](#)


Top % Online Time

3.8

Specify the percentage of top-rated active users who can access tasks in the pool.

7974  Speed

All 90% 80% 70% 60% 50% 40% 30% 20% 10% Quality

4784 

60% top-rated performers were selected.
The task is available to **4784** active users.

3.9. Time given to complete a task suite (for example, 600 seconds)

Parameters

3.9

TIME PER TASK SUITE IN SECONDS ? 600

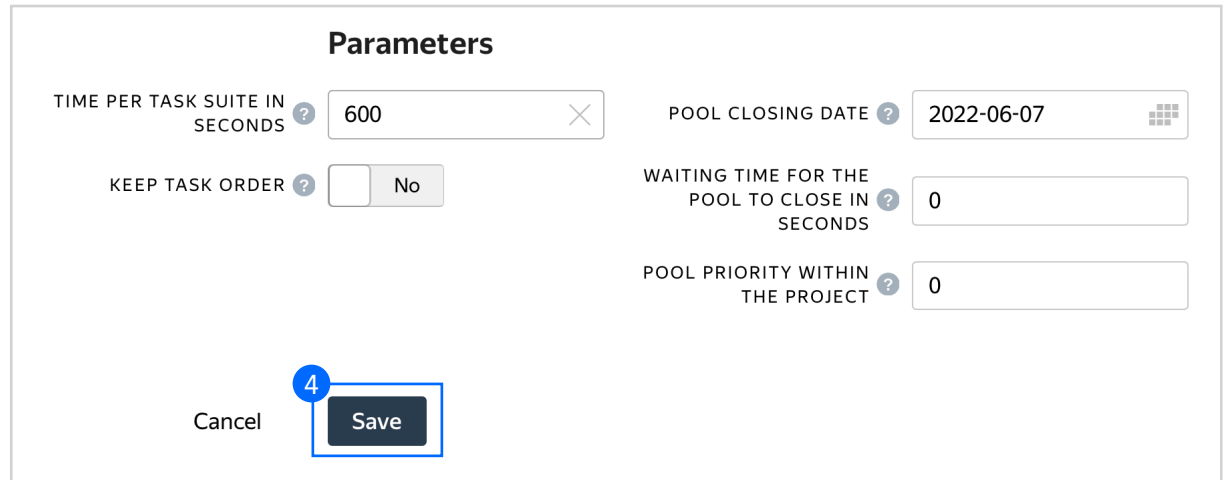
KEEP TASK ORDER ? ☐ No

POOL CLOSING DATE ? 2022-06-03

WAITING TIME FOR THE POOL TO CLOSE IN SECONDS ? 0

POOL PRIORITY WITHIN THE PROJECT ? 0

- Click **Save** to save Pool parameters



The Parameters dialog box contains the following fields:

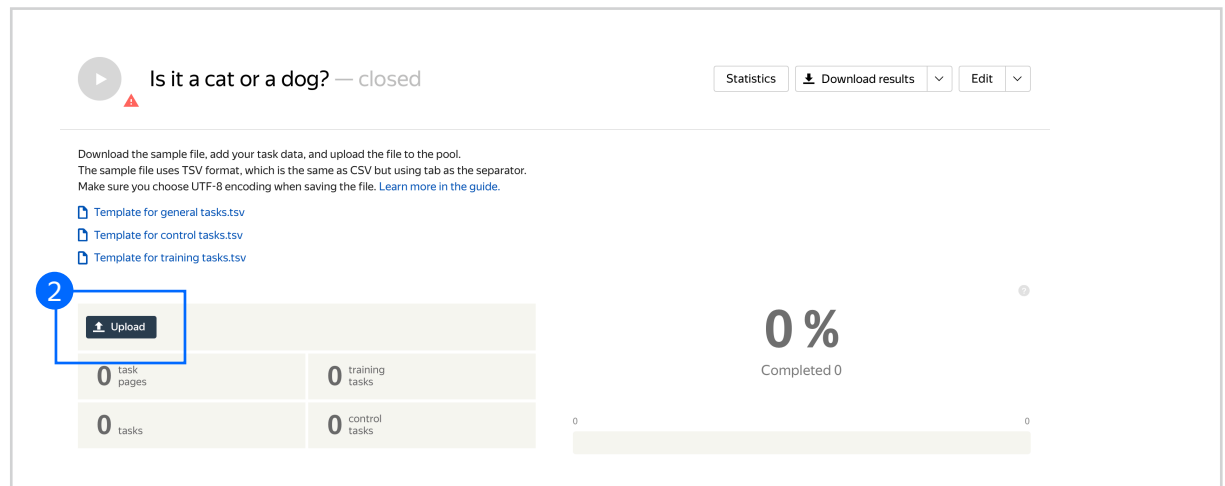
- TIME PER TASK SUITE IN SECONDS: 600
- POOL CLOSING DATE: 2022-06-07
- KEEP TASK ORDER: No
- WAITING TIME FOR THE POOL TO CLOSE IN SECONDS: 0
- POOL PRIORITY WITHIN THE PROJECT: 0

Buttons: Cancel, Save (highlighted with a blue box and a blue circle with the number 4).

Prepare and upload a file with tasks

- Prepare a TSV file with tasks as shown in our [example](#).
License: CC BY 4.0

- [Upload pool tasks](#) from this file



The interface shows a task titled "Is it a cat or a dog?" with a status of "closed". It includes buttons for "Statistics", "Download results", "Edit", and a dropdown menu. Below the task title, there is a section for uploading tasks, which includes a table with the following data:

task pages	training tasks
0	0
tasks	control tasks
0	0

Buttons: Upload (highlighted with a blue box and a blue circle with the number 2), Download results, Edit.

Progress bar: 0% Completed 0

2.1. Select [Smart mixing](#) in **File upload settings** and specify the number of tasks per page. For example: 9 main tasks and 1 control task. Click **Upload** once again

Note: If you changed the name of the input field, change it in the file as well

File upload settings ?

Tasks per page

By empty row Set manually **Smart mixing**

2.1

Main tasks 9

Training tasks 0

Control tasks 1

[Show advanced settings](#)

Sample file for uploading tasks Close Upload

2.2. In the pop-up window, click **Add** to add tasks to the pool

Adding tasks to pool (cats.tsv)

TASKS FOR POOL

120 tasks 0 training tasks

0 control tasks

2.2

Cancel Add

3. [Create control tasks.](#)


Click **Edit** → **Create control tasks**


Note: Control tasks are tasks that already contain the correct response. They are used for checking the quality of responses from performers. The performer's response is compared to the response you provided. If they match, it means the performer answered correctly


Download the sample file, add your task data, and upload the file to the pool.
The sample file uses TSV format, which is the same as CSV but using tab as the separator.
Make sure you choose UTF-8 encoding when saving the file. [Learn more in the guide.](#)


 [Template for general tasks.tsv](#)


 [Template for control tasks.tsv](#)

 [Template for training tasks.tsv](#)

 Upload

 Files

 Delete

3
 Edit

0 task pages

0 training tasks

Edit tasks

Use main tasks as a starting point to create control tasks or training tasks.

Control tasks are for checking the quality of responses from performers. They contain correct responses to compare with actual responses.

Training tasks are for teaching performers how to complete tasks. They contain correct responses and hints.

[Learn more](#)

Main 120 Control tasks 0 Training tasks 0

Create control tasks

Create training tasks

Download

ID ↕	Overlap ↕	Responses from performers ↕	Last updated ↕
...38757659	3	0	06/07/2021 13:48:32
...38757642	3	0	06/07/2021 13:48:32

3.1. Enter correct responses for your control tasks. Check the **result** output field, which compares the user's response to the control task, select the response, and click **Save and go to next**. Repeat until you have enough control tasks

3.1

Projects > Is it a cat or a dog? > Is it a cat or a dog? > Uploaded tasks > Edit tasks

Control tasks: 15

Create control task

1. Enter correct responses

Select the fields to use

Field	Value
<input checked="" type="checkbox"/> result	

Is it a cat or a dog?

1 Cat 2 Dog 3 Other

Save and go to next

Distribution of correct responses for control tasks

result

53.3% cat

46.7% dog

0% other

In small pools, control tasks should account for 10–20% of all tasks

Tip. Make sure to include different variations of correct responses in equal amounts.

Go to **Uploaded tasks** → **Control tasks** → **Distribution of correct responses for control tasks** tab

Projects > Is it a cat or a dog? > Is it a cat or a dog? > Uploaded tasks

Edit tasks

Use main tasks as a starting point to create control tasks or training tasks.

Control tasks are for checking the quality of responses from performers. They contain correct responses to compare with actual responses.

Training tasks are for teaching performers how to complete tasks. They contain correct responses and hints.

[Learn more](#)

Main 105 Control tasks 15 Training tasks 0

Create from main tasks Download

ID	Overlap	Responses from performers	Correct responses, %	Last updated
16e47fe1	∞	0		06/07/2021 14:01:42
16e47ff0	∞	0		06/07/2021 14:01:35
16e48008	∞	0		06/07/2021 14:01:28
16e4800c	∞	0		06/07/2021 14:01:21

Distribution of correct responses for control tasks

result

46.7% cat

53.3% dog

0% other

3.2. To check the number of control tasks, go to the **Pool** page

Projects > Is it a cat or a dog? > Is it a cat or a dog?

Is it a cat or a dog? — closed

Statistics Download results Edit

Download the sample file, add your task data, and upload the file to the pool.
The sample file uses TSV format, which is the same as CSV but using tab as the separator.
Make sure you choose UTF-8 encoding when saving the file. [Learn more in the guide.](#)

[Template for general tasks.tsv](#)
[Template for control tasks.tsv](#)
[Template for training tasks.tsv](#)

Upload Files Delete Edit Preview

~36 task pages	0 training tasks
105 tasks	15 control tasks

0 % Completed 0

0 ~36

4. Start the pool

Note: Remember that the tasks will be completed by actual Tolokers. Double check that everything is correct with your project configuration before you start the pool

Projects > Is it a cat or a dog? > Is it a cat or a dog?

Is it a cat or a dog? — closed

Statistics Download results Edit

Download the sample file, add your task data, and upload the file to the pool.
The sample file uses TSV format, which is the same as CSV but using tab as the separator.
Make sure you choose UTF-8 encoding when saving the file. [Learn more in the guide.](#)

[Template for general tasks.tsv](#)
[Template for control tasks.tsv](#)
[Template for training tasks.tsv](#)

Upload Files Delete Edit Preview

~36 task pages	0 training tasks
105 tasks	15 control tasks

0 % Completed 0

0 ~36

Receiving responses

1. Wait until the pool is completed.
Refresh the pool page to check progress

Note: Aggregation takes from 5 to 20 minutes. During this time, you can start configuring your next project. Refresh the Operations page to check progress

2. Click the **Download results** button and run aggregation using the [Dawid-Skene model](#)

The screenshot shows the project interface for 'Is it a cat or a dog?'. At the top, there's a play button icon and the project name. Below it, instructions for downloading sample files and uploading task data are provided. A table shows task statistics: 36 task pages, 0 training tasks, 105 tasks, and 15 control tasks. On the right, a 'Download results' button is highlighted with a blue box and a circled '2'. A dropdown menu is open, showing 'View operations', 'Dawid-Skene aggregation model', and 'Aggregation by skill'. Below the table, a large '100 %' completion indicator is shown, along with a green progress bar at the bottom.

3. Go to the list of operations and wait until aggregation is complete

The screenshot shows the 'Operations' page. At the top, there are dropdown menus for 'PROJECT' and 'POOL', both set to 'Is it a cat or a dog?'. Below, a table lists operations. The first row is highlighted with a blue box and a circled '3'. It shows an operation with ID '888b2...', type 'Dawid-Skene aggregation model', started at '06/07/2021 14:08:14', and a progress bar at 10%. The status is 'Running'.

Id	Type	Started	Completion time	Progress	Status	Files
888b2...	Dawid-Skene aggregation model	06/07/2021 14:08:14	-	10%	Running	-

- When aggregation is complete, download the TSV file with the results

Operations

PROJECT

Is it a cat or a dog?

POOL

Is it a cat or a dog?

Id	Type	Started	Completion time	Progress	Status	Files
63256...	Dawid-Skene aggregation model	06/03/2021 18:45:46	06/03/2021 18:48:08	<div></div> 100%	Success	<div>4</div> Download

10

Appendix

Interface config Step 4.2.

```
{
  "view": {
    "type": "view.list",
    "items": [
      {
        "type": "view.image",
        "ratio": [
          1,
          1,
          1
        ],
        "rotatable": true,
        "url": {
          "type": "data.input",
          "path": "image"
        }
      },
      {
        "type": "field.button-radio-group",
        "label": "Is it a cat or a dog?",
        "options": [
          {
            "label": "Cat",
            "value": "cat"
          },
          {
            "label": "Dog",
            "value": "dog"
          },
          {
            "label": "Other",
            "value": "other"
          }
        ],
        "validation": {
          "type": "condition.required",
          "hint": "choose one of the options"
        },
        "data": {
          "type": "data.output",
          "path": "result"
        }
      }
    ],
    "plugins": [
      {
        "type": "plugin.toloka",
        "layout": {
          "kind": "scroll",
          "taskWidth": 500
        }
      },
      {
        "1": {
          "type": "action.set",
          "data": {
            "type": "data.output",
            "path": "result"
          },
          "payload": "cat"
        },
        "2": {
          "type": "action.set",
          "data": {
            "type": "data.output",
            "path": "result"
          },
          "payload": "dog"
        },
        "3": {
          "type": "action.set",
          "data": {
            "type": "data.output",
            "path": "result"
          },
          "payload": "other"
        }
      },
      {
        "type": "plugin.hotkeys"
      }
    ]
  }
}
```