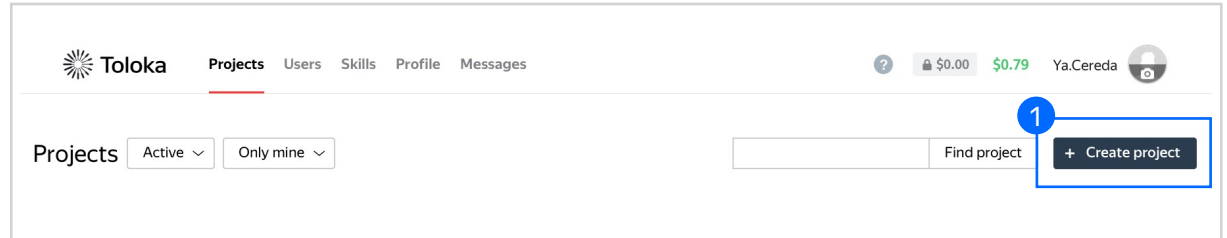




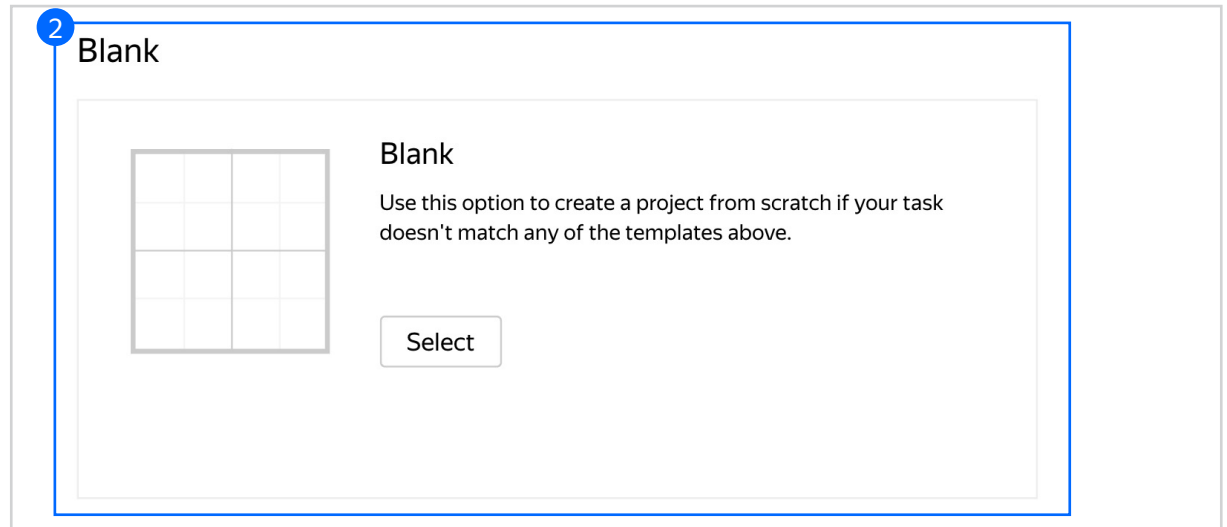
Audio classification manual

Create a project

1. Click **Create project**.

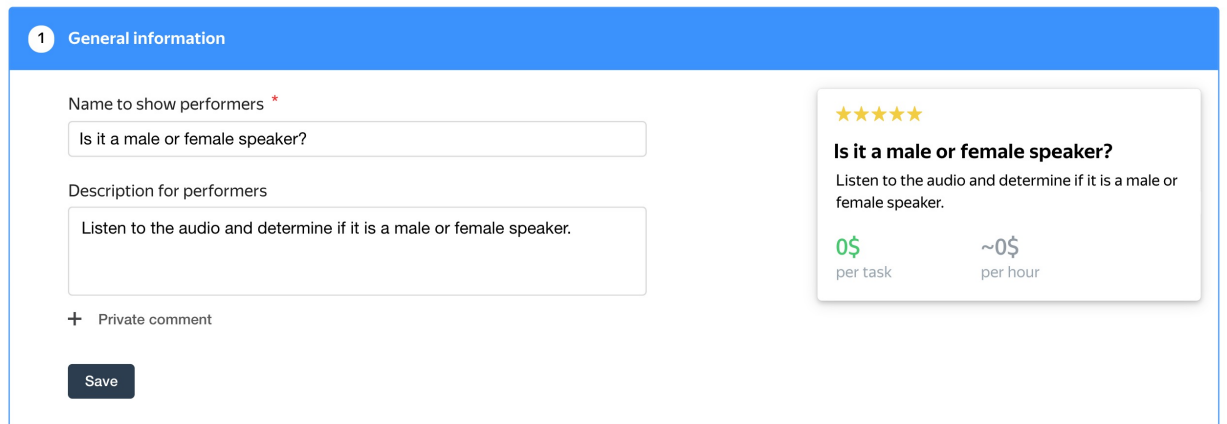


2. Choose the **Blank** template.



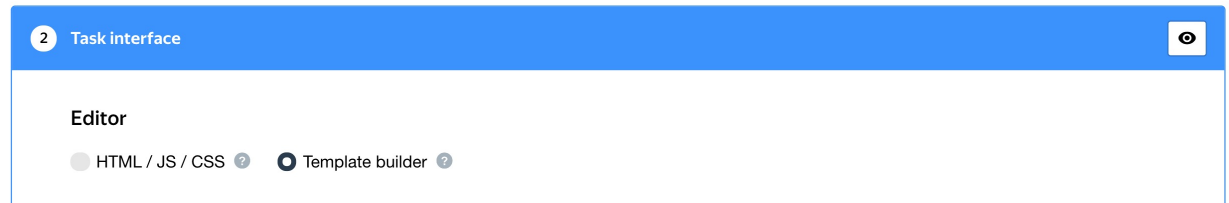
3. Enter a clear project name and description. Click **Save**.

Note: The project name and description will be visible to the performers.



- Update the task interface in the **Template Builder** block.

Read more about the [Template Builder](#) in the Requester's Guide.

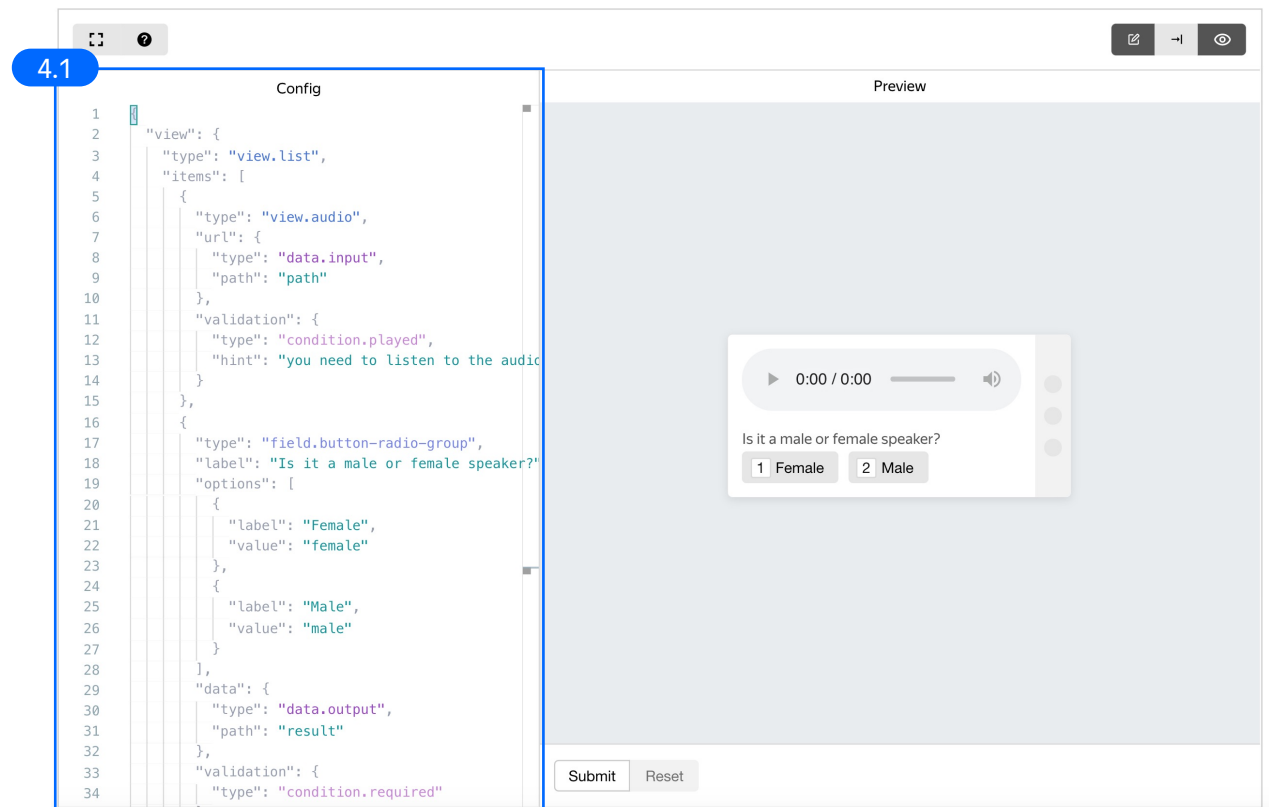


- 4.1. Delete the existing config and paste the code provided at the end of this manual (in the appendix).

In the **Preview** section you can see how the template will work. The task will be performed in three steps. First, click **Play** and listen to the audio. Second, choose the correct option (“Female” or “Male”). Finally, submit your answer by clicking **Submit**.

There is a validation rule in the template. It checks whether the performer clicked a button with an answer.

Check the [Interfaces](#) section of our Knowledge Base for more tips on interface design.



4.2. Make sure the specifications look like this:

Note: Specifications are a description of input data that will be used in a project and the output data that will be collected from the performers.

Read more about [input and output data specifications](#) in the Requester's Guide.

The screenshot shows a 'Data specification' interface with two columns: 'Input data' and 'Output data'. The 'Input data' column contains a field labeled 'path (URL)'. The 'Output data' column contains a field labeled 'result (string)'. Below each column is an 'Add field' button. At the bottom of the interface, there is a 'Show common interface elements' button and a 'Save' button.

5. Write comprehensive instructions.

Click **Save**.

Get more tips on designing [instructions](#) in our Knowledge Base.

The screenshot shows the 'Instructions for performers' interface. It features a blue header with the title '3 Instructions for performers'. Below the header is a text area containing the following text: '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](#).' Below the text area is a rich text editor with a toolbar containing icons for bold, italic, underline, link, unlink, list, and indent. The editor contains the text: 'Listen to the short audio clip and determine whether it is a male or female speaking.' At the bottom left of the editor, there is a '5' in a blue circle next to a 'Save' button.

6. Leave the **Translations** block as default and click **Save**.

4 Translations

i Performers from different countries will understand the purpose of the task better if it's in their own language. Translate the task name, description, and instructions into each language that you want performers to see. Otherwise, the language is inactive. If you want to translate the task interface, you have to create it using Template Builder.

Source language
—

Translations

Language	Name and description for performers	Instructions for performers	Task interface
✓ Source	✓	✓	✓

Add translation

6 Save

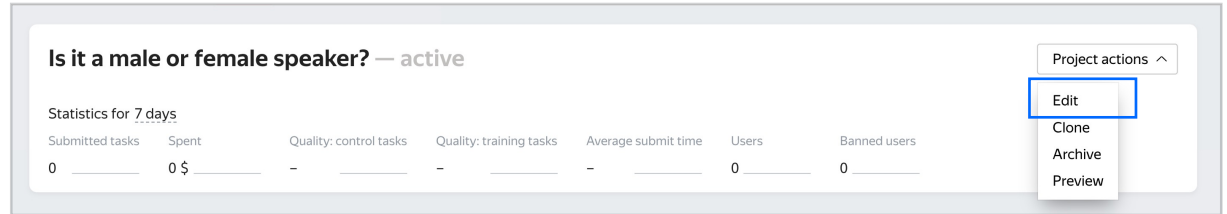
7. Click **Finish** to save the project.

Edit project

[Back to the old interface](#) Cancel **7 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 male or female speaker? — 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

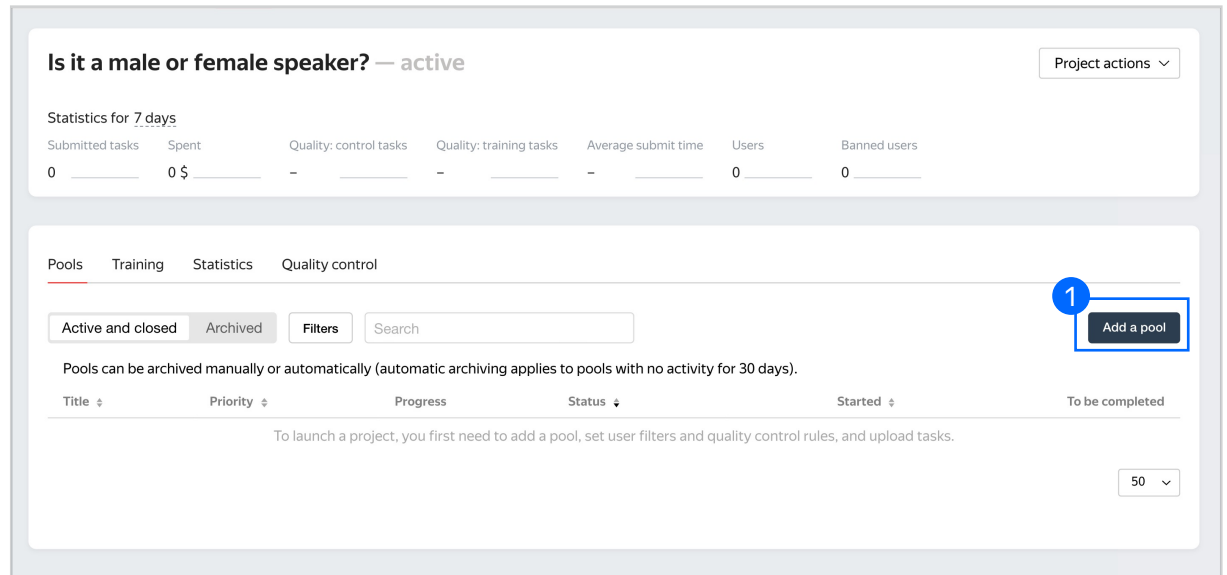
Edit
Clone
Archive
Preview

Create the main pool

1. Click **Add a pool**.

A pool is a set of paid tasks grouped into task pages. These tasks are sent out for completion at the same time.

Note: All tasks within a pool have the same settings (price, quality control, etc.)



Is it a male or female speaker? — active

Project actions v

Statistics for 7 days

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

Pools Training Statistics Quality control

Active and closed Archived Filters Search

1 Add a pool

Pools can be archived manually or automatically (automatic archiving applies to pools with no activity for 30 days).

Title	Priority	Progress	Status	Started	To be completed
-------	----------	----------	--------	---------	-----------------

To launch a project, you first need to add a pool, set user filters and quality control rules, and upload tasks.

50 v

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.

POOL NAME (VISIBLE ONLY TO YOU) ? Is it a male or female speaker? [X]

Use project description

PUBLIC DESCRIPTION ? Listen to the audio and determine if it is a male or female speaker.

Add a private description

3. Specify [pool parameters](#):

- 3.1. Select pool type. Choose **Other**.

Read more about [pool types](#) in the Requester's Guide.

POOL TYPE ? Other ^

-
- Exam
- Training
- Retry
- Other

PRICE IN US DOLLARS ? FEE ? 0.005

- 3.2. Set the price per task suite (for example, \$0.01).

Audio classification tasks are normally paid as basic tasks (e.g. binary classification) because these tasks do not take much time.

Read more about [pricing principles](#) in our Knowledge Base.

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.

PRICE IN US DOLLARS ? 0.01 [X] FEE ? 0.005

+ 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** and **Client** options in the list.

Performers [Copy settings from...](#)

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](#)

ADULT CONTENT ? No

3.3 Add filter Create a skill

3.4. Choose **Languages = English** as your first filter. This way, performers who speak English will be invited to complete this task. Then choose **Toloka web version** and **Toloka for mobile** clients.

These filters will make it possible for performers to complete your task on their computers or mobile devices.

Add filter Create a skill

3.4 FORMER PROFILE

Languages = English

AND

CALCULATED DATA

Client = Toloka web version Toloka for mobile

OR

Calculated data

- Browser
- Bugfix version of the operating system.
- Client
- Client application bugfix version
- Client application major version
- Client application versions
- Device type
- Operating system
- OS major version
- OS minor version
- OS versions
- Performer rating
- Region by IP
- Region by phone number
- Type of client application

3.5. Set up [Quality control](#): leave the **Non-automatic acceptance**, **Review period in days**, and **Captcha frequency** blocks as default.

Note: Since there is one true answer to an audio classification task which can be used as ground truth, control tasks are the preferable way to check if the answers provided are acceptable.

Read more about [quality control principles](#) in our Knowledge Base or check out [post-acceptance settings](#) in the Requester's Guide.

Quality control
Add rules to get more accurate responses.
All rules work independently.

3.5 NON-AUTOMATIC ACCEPTANCE No

REVIEW PERIOD IN DAYS 14

CAPTCHA FREQUENCY

+ Add Quality Control Rule

3.6. Set up the **Control tasks rule**. Use this rule to ban Tolokers who make too many mistakes.

This rule will be triggered when a performer completes 1 control task in the pool. If the performer gives at least 1 response to control tasks and the percentage of correct responses is less than 80%, they lose access to the pool for 3 days. The rule uses up to 10 recent responses to control tasks.

Read more about [Control tasks](#) in the Requester's Guide.

CONTROL TASKS ?

Recent control task responses to use 10

3.6 If number of responses \geq 1
and correct responses (%) \leq 80
then suspend in pool
3 days
bad quality

3.7. Overlap. This is the number of users who will complete the same task.

Note: In the case of audio classification tasks, you will need 3 answers to decide which one is correct.

To understand [how this rule works](#), go to the Requester's Guide.

Overlap

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

3.7

OVERLAP ?

DYNAMIC OVERLAP ? Off

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

Note: This can slow down pool completion.

Speed/quality balance

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

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

8217 8217

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

All users selected
The task is available to **8217** active users.

3.9. Specify the time given to complete a task suite (for example, 1200 seconds).

To understand how much time it should take to complete a task suite, try doing it yourself.

The screenshot shows a 'Parameters' dialog box with the following fields:

- TIME PER TASK SUITE IN SECONDS**: Input field with '1200' and a close button (X). A blue circle with the number '3.9' is next to this field.
- POOL CLOSING DATE**: Input field with '2022-07-23' and a calendar icon.
- KEEP TASK ORDER**: Toggle switch set to 'No'.
- WAITING TIME FOR THE POOL TO CLOSE IN SECONDS**: Input field with '0'.
- POOL PRIORITY WITHIN THE PROJECT**: Input field with '0'.

4. Click **Save** to save Pool parameters.

The screenshot shows the same 'Parameters' dialog box as above, but with a blue circle containing the number '4' next to the 'Save' button.

The 'Parameters' dialog box contains the following fields:

- TIME PER TASK SUITE IN SECONDS**: Input field with '1200' and a close button (X).
- POOL CLOSING DATE**: Input field with '2022-07-23' and a calendar icon.
- KEEP TASK ORDER**: Toggle switch set to 'No'.
- WAITING TIME FOR THE POOL TO CLOSE IN SECONDS**: Input field with '0'.
- POOL PRIORITY WITHIN THE PROJECT**: Input field with '0'.

At the bottom of the dialog, there are two buttons: 'Cancel' and 'Save'. The 'Save' button is highlighted with a blue box and a blue circle with the number '4' next to it.

Prepare and upload a file with tasks

1. Prepare a TSV file with tasks as shown in our [example \(Origin\)](#).

Bibtex:

```
@article{adigwe2018emotional,  
  title={The emotional voices database: Towards controlling the emotion dimension in voice generation systems},  
  author={Adigwe, Adaeze and Tits, No{\e} and Haddad, Kevin El and Ostadabbas, Sarah and Dutoit, Thierry},  
  journal={arXiv preprint arXiv:1806.09514},  
  year={2018}  
}
```

2. [Upload pool tasks](#) from this file.

- 2.1. Select [Smart mixing](#) in **File upload settings** and specify the number of tasks of each type per page.

We recommend putting as many tasks on one page as a performer can complete in 1 to 5 minutes. That way, performers are less likely to get tired, and they won't lose a significant amount of data if a technical issue occurs.

To learn more about [grouping tasks](#) into suites, read the Requester's Guide.

Click **Upload** again.

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

Is it a male or female speaker? — 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

2 Upload

0 task pages 0 training tasks

0 tasks 0 control tasks

0% Completed 0

File upload settings ?

Tasks per page

By empty row Set manually Smart mixing

Main tasks 4

Training tasks 0

Control tasks 1

[Show advanced settings](#)

Sample file for uploading tasks Close Upload

2.1

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.

Is it a male or female speaker? — 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

0 task pages 0 training tasks

120 tasks 0 control tasks

0% Completed 0

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](#)

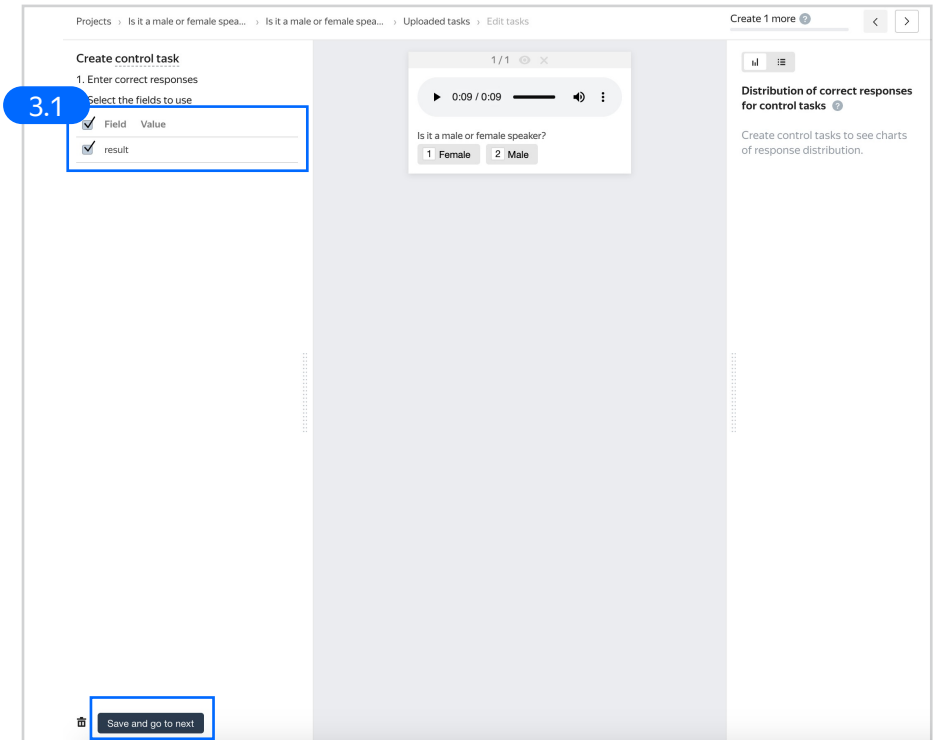
Main 120 Control tasks 0 Training tasks 0

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, listen to the audio, select the correct response, click **Save and go to next**. Repeat until you have 20 control tasks.

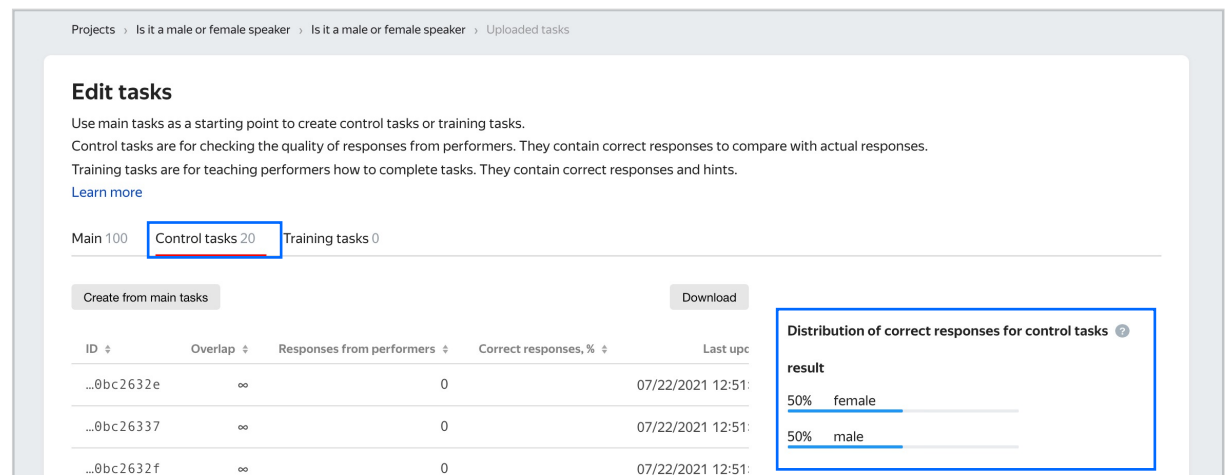
To learn more about creating [control tasks](#), go to the Requester's Guide.



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.



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


The screenshot shows the Toloka Pool interface for the task "Is it a male or female speaker?". At the top, there are buttons for "Statistics", "Download results", and "Edit". Below this, instructions are provided: "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.](#)" There are three links for templates: "Template for general tasks.tsv", "Template for control tasks.tsv", and "Template for training tasks.tsv". A control bar includes "Upload", "Files", "Delete", "Edit", and "Preview" buttons. A progress indicator shows "0 % Completed 0". A summary table displays task counts: ~75 task pages, 0 training tasks, 100 tasks, and 20 control tasks. A blue circle with the number "3.2" is overlaid on the "20 control tasks" cell, which is also highlighted with a blue rectangle.

4. Preview the pool.

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

The screenshot shows the Toloka task preview interface. At the top, it displays "19:39 / \$0.01" and "\$0.00 / \$0.00". The task title "Is it a male or female speaker" is visible. The interface shows five audio clips, each with a play button, a progress bar, and a volume icon. Below each audio clip is the question "Is it a male or female speaker?" and two response buttons: "1 Female" and "2 Male". The clips are numbered 1 through 5. The first clip is highlighted with a yellow border.

5. Start the pool.

5  Is it a male or female speaker?— 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

~75 task pages	0 training tasks
100 tasks	20 control tasks

0 % Completed 0

0 ~75

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.

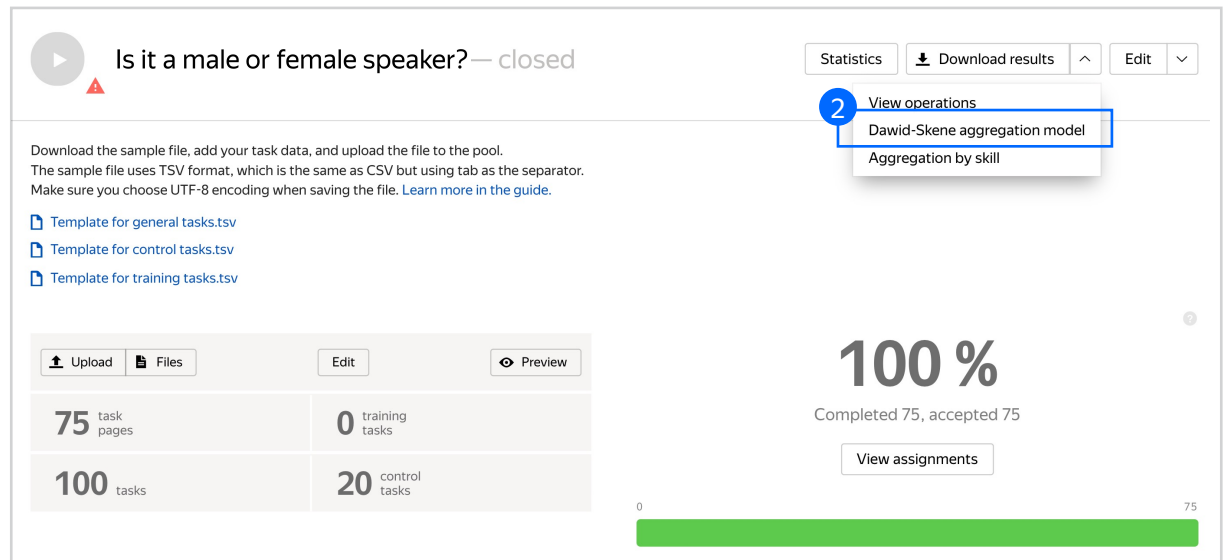
2. Click the **Download results** button and run aggregation using the [Dawid-Skene model](#).

We use this aggregation model because our questions are of comparable difficulty, and we don't have many control tasks.

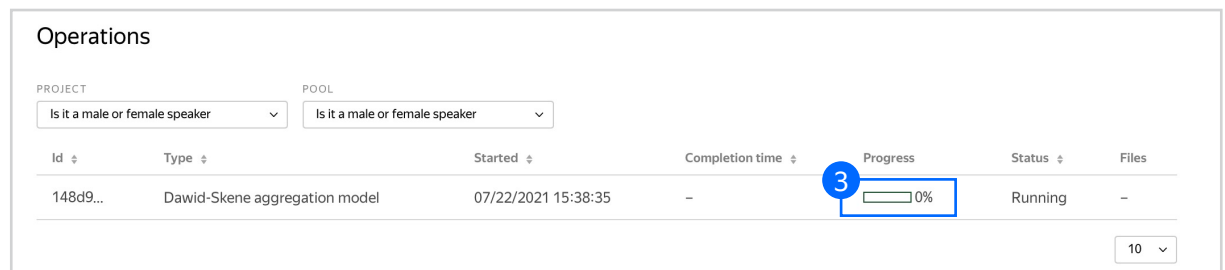
Read more about the [Dawid-Skene model](#) in the Requester's Guide or get at an overview of different [aggregation models](#) our Knowledge Base.

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

Refresh the **Operations** page to check progress.



The screenshot shows a project page titled "Is it a male or female speaker?— closed". It features a "Download results" button and a "View operations" dropdown menu. The main content area displays a progress bar at 100% with the text "Completed 75, accepted 75". Below the progress bar is a "View assignments" button. On the left, there are statistics for task pages (75), training tasks (0), total tasks (100), and control tasks (20). There are also links for templates for general, control, and training tasks.



The screenshot shows the "Operations" page with a table of operations. The table has columns for Id, Type, Started, Completion time, Progress, Status, and Files. A single operation is listed with Id "148d9...", Type "Dawid-Skene aggregation model", Started "07/22/2021 15:38:35", Completion time "-", Progress "0%", Status "Running", and Files "-". A "View operations" dropdown menu is visible above the table, and a "10" dropdown is at the bottom right.

Id	Type	Started	Completion time	Progress	Status	Files
148d9...	Dawid-Skene aggregation model	07/22/2021 15:38:35	-	0%	Running	-

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

Operations

PROJECT POOL

Id	Type	Started	Completion time	Progress	Status	Files
148d9...	Dawid-Skene aggregation model	07/22/2021 3:38:35 PM	07/22/2021 3:41:43 PM	<div style="width: 100%;"><div style="background-color: #ccc; height: 10px;"></div></div> 100%	Success	Download

10

Appendix

Interface code

Step 4.1.

```
{
  "view": {
    "type": "view.list",
    "items": [
      {
        "type": "view.audio",
        "url": {
          "type": "data.input",
          "path": "path"
        },
        "validation": {
          "type": "condition.played",
          "hint": "you need to listen to the audio"
        }
      },
      {
        "type": "field.button-radio-group",
        "label": "Is it a male or female speaker?",
        "options": [
          {
            "label": "Female",
            "value": "female"
          },
          {
            "label": "Male",
            "value": "male"
          }
        ],
        "data": {
          "type": "data.output",
          "path": "result"
        },
        "validation": {
          "type": "condition.required"
        }
      }
    ]
  },
  "plugins": [
    {
      "type": "plugin.toloka",
      "layout": {
        "kind": "scroll",
        "taskWidth": 300
      }
    },
    {
      "1": {
        "type": "action.set",
        "data": {
          "type": "data.output",
          "path": "result"
        },
        "payload": "female"
      },
      "2": {
        "type": "action.set",
        "data": {
          "type": "data.output",
          "path": "result"
        },
        "payload": "male"
      }
    },
    "type": "plugin.hotkeys"
  ]
}
```