

Quickstart Guide

Getting started with docker! To begin with, you'll need to install docker and ensure that a docker daemon is currently running on the machine. Given that docker is installed correctly and you have administrator privileges, you can build the project image by executing the following command from the top level directory:

```
$ bash run.sh
```

The "run.sh" script will execute basic docker commands that shall build and begin running the system container. The script can take as tagged arguments "-t", "-p", "-v" that relate to the name of the container, the port the system shall be exposed on, and the name of the volume container for the system data respectively. An example command could be:

```
$ bash run.sh -t expert -p 223
```

This command will generate the system within the docker container "expert" and will expose the web tool on the port 223. From on the system you will be able to navigate to the web tool by using any browser on the machine and heading to localhost:223. For the initial setup of the system, a single admin account will be generated, the password for this account will be displayed on the screen in a prompt. Make a note of the password as this account and this password shall persist from this point on. You can change the password from the login page of the webtool

Using the web tool

1. Upload training material! As an admin user, you will be able to upload climate model outputs (CMOs) and questions to the web tool to form the expert models. After logging into the admin account, navigate to the "Content Upload" page. You can then drag and drop as many CMOs as you like, and write a number of questions.
2. Annotating the CMOs! After you have uploaded some material, you can navigate to the "Model Annotator" page. A random question will be selected, and a CMO that you have not annotated for that question will be chosen and displayed to the screen. You can then tab through the various layers of the CMO and score it according to how well it answers the question.
3. Beginning training! Now that some CMOs have been annotated, you can submit the batches off to be trained on. By navigating to your users profile page through the drop down at the top right of the screen, or by pressing your users avatar. You will see the expert models currently representing you and their metrics, and the batches of annotated data you have provided ready to be trained on.
4. Evaluate some data! Now that you have trained expert models, you can navigate to the "Prediction Evaluation" page and make some predictions. On the page, you first will select the experts you want to use, then the questions you want to ask, and final you can upload the CMOs to score. Clicking through to the evaluation tab, your results will be displayed! That's all there is to it!