

## RDS: Lab 10 access instructions

Lab 10 uses [mlinspect](#), a library that enables inspection of ML processing pipelines in order to detect hard-to-identify data issues. The mlinspect library requires Python 3.8. However, Google Colab is only configured to use Python 3.7. Consequently, we will be using Docker for the week 10 lab.

To access the lab notebook, you will need to take the following steps:

### Before the lab:

1. Install Docker, following the instructions corresponding to your operating system:  
<https://docs.docker.com/get-docker/>
2. In terminal, download the Docker image that will be used in the lab:  
`Docker pull shubhaguha/rds-lab10`

(Note: these downloads may take some time, so please do this before the day of your lab).

### At the start of lab:

3. In terminal, run:  
`docker run -t --name lab10 -p 8899:8899 shubhaguha/rds-lab10`

The terminal will show something like this:

To access the notebook, open this file in a browser:

`file:///root/.local/share/jupyter/runtime/nbserver-1-open.html`

Or copy and paste one of these URLs:

<http://053c7794bc76:8899/?token=dc71bfaf4cc5c14a504ab3b1195fc6cc816e8f5dfe06d2bb>

or

<http://127.0.0.1:8899/?token=dc71bfaf4cc5c14a504ab3b1195fc6cc816e8f5dfe06d2bb>

Open the **last URL** in your browser, the one with 127.0.0.1.

Troubleshooting: If you encounter any problems, please post to Piazza or email [george.wood@nyu.edu](mailto:george.wood@nyu.edu)