

September 19th 2025

Icahn School of Medicine at Mount Sinai

To prepare for AIRMS Training Session I, please follow the step-bystep setup guide. The guide will walk you through:

- Verifying prerequisites (accounts, software, connections)
- Accessing Minerva
- Launching our Training Jupyter Notebook

The Jupyter Notebook will serve as a follow-along resource during the training session, so it is important to confirm access in advance. We recommend that you complete this setup a few days before the session to ensure everything is working smoothly and to allow time for troubleshooting if needed.

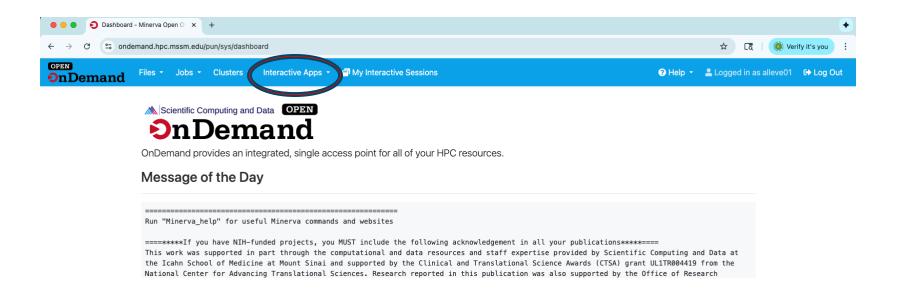
Pre-requisites

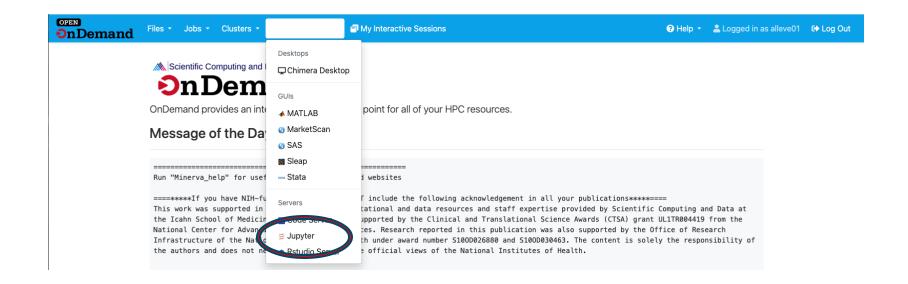
- 1. Possess a Mount Sinai School Network account
- 2. Request and obtain a Minerva account
- 3. Request and obtain access to AIR-MS MSDW DEID Dataset
- Be either onsite on Mount Sinai Network (NOT Guest Wi-Fi) or connected to VPN

For more information on how to fulfill these steps visit our <u>getting</u> <u>started page</u>

Step 1: Launch a Jupyter Lab via OnDemand

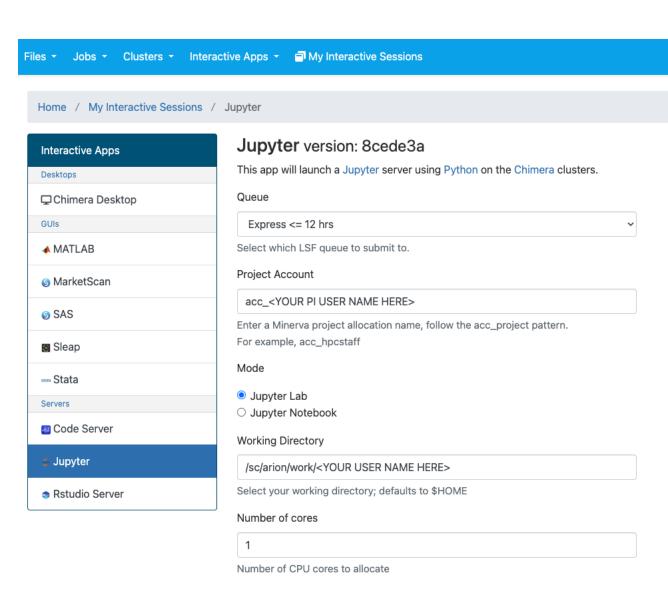
- 1. Navigate to OnDemand via your browser
- 2. Sign in with your Mount Sinai credentials and password
- 3. Click on "Interactive Apps" and then select "Jupyter"





Step 1: Launch a Jupyter Lab via OnDemand

- 1. Navigate to OnDemand via your browser
- 2. Sign in with your Mount Sinai credentials and password
- Click on "Interactive Apps" and then select "Jupyter"
- 4. Now fill out the form with the following and press "Launch":
 - Queue: Express <= 12 hrs
 - Project Account: The name of your Minerva project allocation, usually acc_<project name>. If you recently requested an account and
 do not have a project it might be something like acc_<your Pl username>
 - Mode: Jupyter Lab
 - Working Directory: /sc/arion/work/<INSERT YOUR USER NAME HERE>
 - Number of cores: 1
 - Memory request (in GB): 1
 - Number of hours: 1 (you might want to select 2 during the training session and 1 for testing)
 - Python version: Python 3
 - Extra Modules: leave blank
 - Reservation ID: leave blank



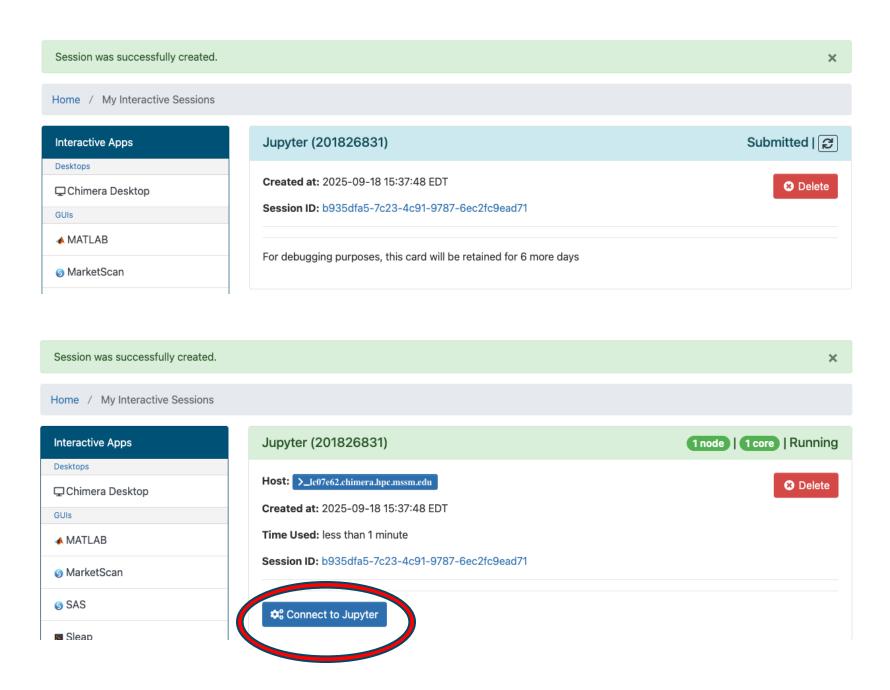
| 1 |
|---|
| Amount of memory PER CORE needed for this job in units of GB. Use 0 if requesting full node. |
| Total memory = Number of cores * Memory request |
| Number of hours |
| 1 |
| Python version |
| Python 3 |
| Select the version of Python to run Jupyter. The version of Jupyter is determined by the version of Python. Python 3: python/3.7.3 for centos7, python 3.12.5 for rocky9 |
| Conda env: choose "Conda env" to use your own conda env. |
| Use gpu/gpuexpress queue for pytorch. |
| Extra Modules |
| |
| Put extra modules you want to load here, seperated by space for multiple modules. |
| Do NOT load any python modules here. |
| Reservation ID (Optional) |
| |
| Put the reservation ID here if you have ener. Otherwise leave it blank. |
| Launch |
| * The Jupy Cossion data for this session can be accessed und the data root |

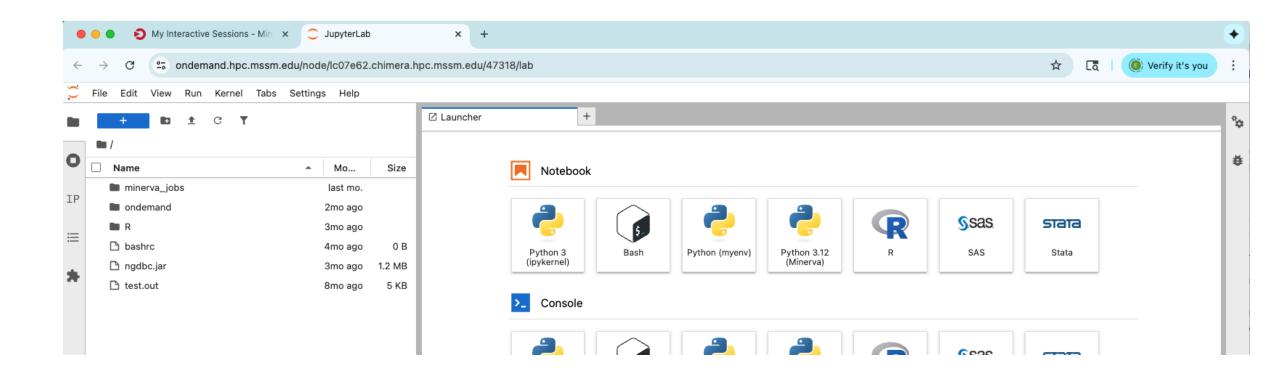
Memory request (in GB)

directory.

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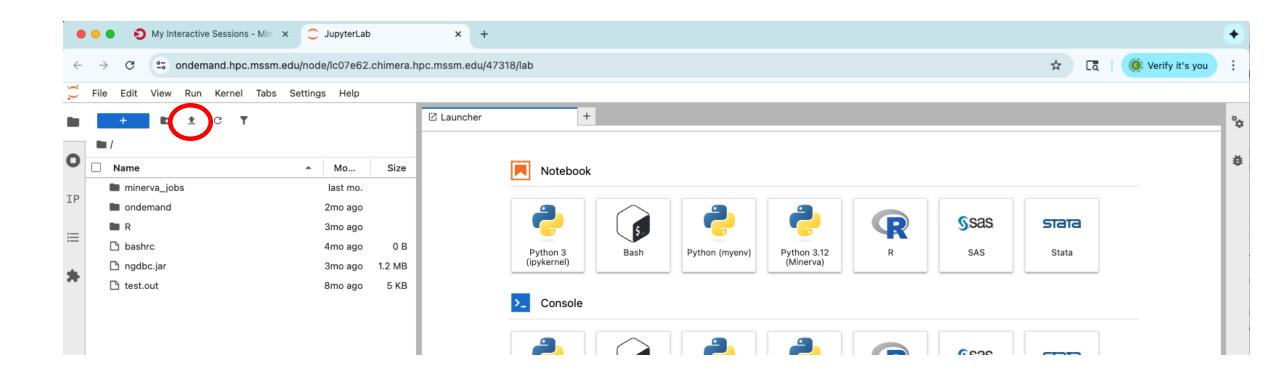
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 - Extra Modules: leave blank
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- 5. Wait for the session to be in "Running" status and then press the "Connect to Jupyter" button

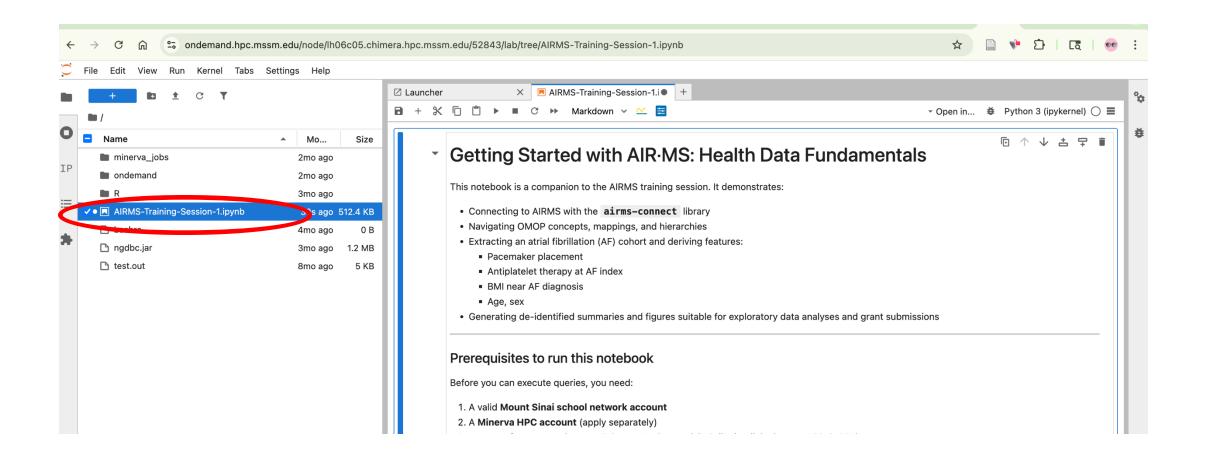




Step 2: Run the Jupyter Notebook

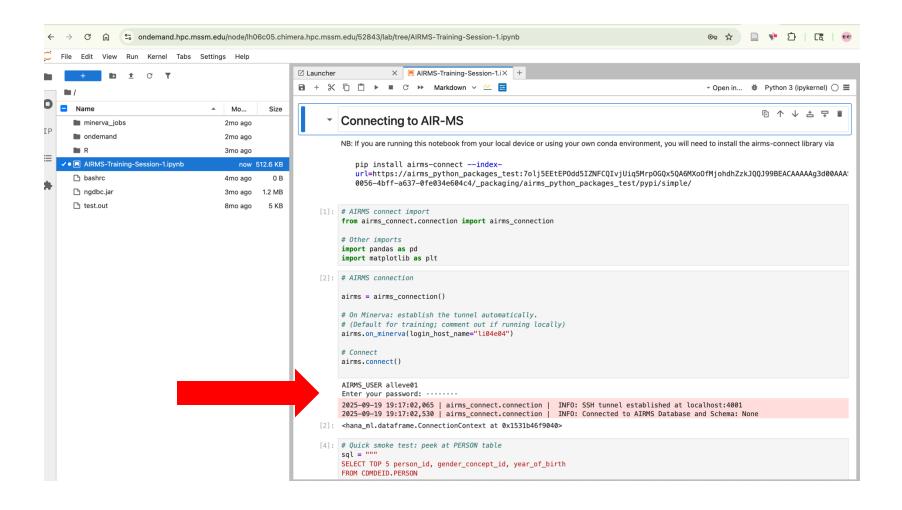
1. Download our example Jupyter Notebook at this <u>link</u> and drag & drop or upload (upper arrow icon button) it in your Jupyter Lab. Click on it once it appears on the left panel





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- 2. Run the cells in the "Connecting to AIR-MS" section to connect to AIR-MS
- 3. You will be asked to input
 - AIRMS_USER which corresponds to your Minerva username
 - Password which is your Mount Sinai password (without VIP token)
- 4. You are now connected to AIR-MS and should be able to run all the following cells



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For help, please reach out to airms-support@mssm.edu

For additional resources visit:

- Our Researcher Tutorials (Accessible on Mount Sinai Network or VPN)
- Our Website

