

The Analytics Workbench

NIDDK-CR users approved to access NIDDK Central Repository data have the option to use NIDDK-CR's Analytics Workbench, an integrated environment that centralizes data preparation, analysis, modeling, and visualization into a single workspace. In some cases, data download may not be allowed, so using the Analytics Workbench will be the only option to analyze NIDDK-CR data.

After your data access has been approved, you can request a Workbench by filling out the Workbench Request form.

To start a Workbench request, navigate to My Approved Studies page by clicking the icon on the upper navigation bar, open the dropdown for the relevant request and click Workbench Actions – Start Workbench Request.

You will be presented with a Workbench Request form where you will have to first select the type of workbench. For now, you can only have access to SageMaker Studio workbench.

You can learn more about SageMaker Studio here:

<https://aws.amazon.com/sagemaker>.

* Select the type of workbench:

☒ SageMaker Studio

☐ SAS – This option will be available soon

Fig. 1 – Workbench type selection

Note: SAS workbench is unavailable for now, but we are working towards making this option available for our users. You can learn more about SAS here:

https://www.sas.com/en_us/23289/2323/workbench.html.

After you determine the type of workbench you will need, you must select a computing size:

* Select computing size: ?

Instance	vCPU	Processing Memory	Price per Hour
☐ ml.r7i.large	2	16 Gib	0.159
☐ ml.r7i.2xlarge	8	64 Gib	0.635
☐ ml.r7i.4xlarge	16	128 Gib	1.270
☐ ml.r7i.8xlarge	32	256 Gib	2.540

Fig. 2 – Selecting computing size for SageMaker Studio

If there were any team members from your institution or collaborators from other institutions mentioned in your original request, you must select those who will need workbench access:

Select user(s) who will need workbench access:

☒	First Name	Last Name	Email
☒	John	Doe	john.doe@mail.com
☐	Jane	Smith	jane.smith@mail.com
☐	Bill	Bailey	bill.bailey@mail.com
☐	Alex	Gates	alex.gates@mail.com

Fig. 3 – Selecting team members who need workbench access

Then, you must provide a Target Workbench Start Date. Please allow enough time for NIDDK-CR to review your request and for your institution to sign the Workbench Data and Resources Use Agreement (DUA) Addendum. You will also need to provide other information about your intended use, e.g. time period, analytic purposes, etc.

The form contains the following fields and options:

- * Target Workbench Start Date**: A text input field with the placeholder "YYYY-MM-DD".
- * Time Period**: A text input field with the placeholder "##" followed by the unit "weeks".
- * Estimated Usage per Week**: A text input field with the placeholder "##" followed by the unit "hours".
- Analytic Purposes (Select all that apply):**: A list of checkboxes with the following labels:
 - ☐ Statistics
 - ☐ AI/ML
 - ☐ Data cleaning/manipulation
 - ☐ Data visualization
 - ☐ Other

Fig. 4 – Information about workbench intended use

The form includes a tool to estimate the Workbench cost range, based on your entries into the fields displayed in Fig. 4. The cost estimate field will be prepopulated with the amount you would have to prepay. If financing is not readily available for your research project, NIDDK-CR may approve Workbench credit during your Workbench Request review, in addition to granting permission to proceed with the NIDDK-CR Workbench.

The form contains the following sections and fields:

- * Will your funding support cover your estimated Workbench costs?**: Two radio buttons labeled "Yes" and "No". The "No" button is selected.
- NIDDK will review your application and may approve a Workbench credit in a**: A partially visible line of text.
- * Cost Estimate**: A section header followed by the instruction: "In the box below, enter the amount you would like to pre-pay for the workbench. You pre-paid. After entering the amount you would like to pre-pay, please check the box n".
- \$ 199.00**: A text input field with a light blue background, containing the value "199.00".
- ☐ *** I accept this cost estimate.**: A checkbox followed by the text "I accept this cost estimate."

Fig. 5 – Workbench cost estimate and financials

The last section of the form is the Billing Information. Once you have completed the Billing Information, please click the "Submit" button at the end of the form. NIDDK-CR will review your workbench request, and if approved, you will need to sign the Cloud Use addendum to the DUA and arrange pre-payment or apply credit.

The workbench will be activated and available for use after the Cloud Use Addendum and payment arrangements are complete.