

## Get Dataset Metadata

[https://pslcdatashop.web.cmu.edu/services/datasets/\[?id\]](https://pslcdatashop.web.cmu.edu/services/datasets/[?id])

- Get information about a single dataset or a list of datasets matching your request parameters.
- Results returned in a pslc\_datashop\_message xml document.

## Get Sample Metadata

[https://pslcdatashop.web.cmu.edu/services/datasets/\[?id\]/samples/\[?id\]](https://pslcdatashop.web.cmu.edu/services/datasets/[?id]/samples/[?id])

- Get information about a single sample or a list of sample information for a specified dataset.
- Results returned in a pslc\_datashop\_message xml document.

Customize the response by using the following request parameters:

Parameter	What you'll get
access	<b>all</b> will return all results (datasets only), <b>viewable</b> will return results for projects on which you have “view” or “edit” access or samples you can view, <b>editable</b> will return results for projects or samples for which you have “edit” access. Default is <b>viewable</b> .
verbose	<b>True</b> returns a detailed response, <b>false</b> will not. Default is <b>false</b> .

## Example Dataset request & response:

GET <https://pslcdatashop.web.cmu.edu/services/datasets/31>

```
<?xml version="1.0" encoding="UTF-8"?>
<pslc_datashop_message result_code="0" result_message="Success.">
  <dataset id="31">
    <name>Pittsburgh Science of Learning Center Stoichiometry Study 1</ name>
    <project>Stoichiometry Studies </ project>
    <learnlab>chemistry </ learnlab>
    <pi>bleber </ pi >
    <start_date>09/02/2005 </ start_date>
    <end_date>06/07/2006 </ end_date>
    <status>complete </ status>
    <access>edit </ access>
    <public>yes </ public>
    <number_of_students>34 </ number_of_students>
    <number_of_unique_steps>16453 </ number_of_unique_steps>
    <number_of_steps>124882 </ number_of_steps>
    <number_of_transactions>245093</ number_of_transactions>
    <number_of_samples>17</number_of_samples>
    <number_of_accessible_samples>3</number_of_accessible_samples>
    <number_of_kc_models>4</number_of_kc_models>
  </dataset>
</pslc_datashop_message>
```

## Get Transaction Data

[https://pslcdatashop.web.cmu.edu/services/datasets/\[id\]/\[?samples/id\]/transactions](https://pslcdatashop.web.cmu.edu/services/datasets/[id]/[?samples/id]/transactions)

- Get a tab-delimited response (can be zipped as well) of transactions for a given dataset or sample and your request parameters
- If a sample id is not provided, transactions for the ‘All Data’ sample will be returned.

## Get Student-Step Data

[https://pslcdatashop.web.cmu.edu/services/datasets/\[id\]/samples/\[?id\]/steps](https://pslcdatashop.web.cmu.edu/services/datasets/[id]/samples/[?id]/steps)

- Get a tab-delimited response (can be zipped as well) of student-step records for a given dataset or sample and your request parameters.
- If a sample id is not provided, student-step records for the ‘All Data’ sample will be returned.

Customize the response by using the following request parameters:

Parameter	What you'll get
zip	<b>true</b> will return a zip file containing the tab-delimited data, <b>false</b> will not. Default is <b>false</b> .
cols	Provide a list of columns to be returned. Default is to <b>include all columns</b> .
cfs	Specify if you'd like <b>all</b> , <b>none</b> , or a list of <b>comma-separated custom field ids</b> to be included in the response. Default is <b>none</b> . (transactions only)
headers	<b>true</b> will include the column headers in your response, <b>false</b> will not. Default is <b>true</b> .
limit	The maximum number of transactions to retrieve. Default is <b>100</b> , max is <b>5,000</b> .
offset	Indicates at which row within the export the service should start processing. Default is <b>0</b> . Loop through rows in batches by combining offset and limit.
kcms	Specify if you'd like <b>all</b> , <b>none</b> , or a list of <b>comma-separated kc model ids</b> to be included in the response. Default is <b>none</b> . (student-step only)

## Example Transaction request & response (tab-delimited format, subset of columns):

GET

[https://pslcdatashop.web.cmu.edu/services/datasets/114/samples/21/transactions?cols=row,anon\\_student\\_id,session\\_id,time,duration,problem\\_name,step\\_name,kcs&offset=0&limit=2](https://pslcdatashop.web.cmu.edu/services/datasets/114/samples/21/transactions?cols=row,anon_student_id,session_id,time,duration,problem_name,step_name,kcs&offset=0&limit=2)

Row	Anon Student Id	Session Id	Time	Duration (sec)	Problem Name	Step Name	KC(Default)	KC(Unique-step)
1	D8DD5	D8DD5-Jan07-15-12-09	2008-01-07 15:12:18.0	.	CHARGE1A	(CHOOSE-ANSWER MC-1 1)	SELECT-MC-ANSWER	KC1797
2	D8DD5	D8DD5-Jan07-15-12-09	2008-01-07 15:12:45.0	27	CHARGE1A	(CHOOSE-ANSWER MC-2 2)	SELECT-MC-ANSWER	KC1241