

## Services arriving in 2010/2011

### Add Custom Field

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

- Add and describe a new custom field for a given dataset by providing either a tab-delimited or pslc\_datashop\_message xml request.
- Use the format request parameter to indicate an XML or tab-delimited request . Default is tab-delimited.
- Outcome of request returned as a pslc\_datashop\_message.

*Example Add Custom Field Request & Response (tab-delimited):*

POST **<https://pslcdatashop.web.cmu.edu/services/datasets/123/customfields/add>**

name	description	type	level
pBoredom	Probability the student is bored at this transaction, calculated using Ryan Baker’s boredom detector	number	transaction

```
<?xml version="1.0" encoding="UTF-8"?>
<pslc_datashop_message result_code="0" result_message="Success." custom_field_id="211" />
```

### Get Custom Field Data

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

- Get custom field data, indexed by transaction ID, for transactions within the specified sample & custom field ID.
- Omit sample ID and custom field ID to get all custom fields for the ‘All Data’ sample.
- Use the format request parameter to indicate how you’d like the results returned (tab-delimited or in a pslc\_datashop\_message XML document. Default is tab-delimited.

*Example request & XML response to get a single custom field:*

GET **<https://pslcdatashop.web.cmu.edu/services/datasets/42/samples/33/customfields/3>**

```
<?xml version="1.0" encoding="UTF-8"?>
<pslc_datashop_message result_code="0" result_msg="Success.">
  <transaction id="14334">
    <custom_field id="45">
      <name>score</name>
      <value>74</value>
    </custom_field>
  </transaction>
</pslc_datashop_message>
```

### Set Custom Field Data

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

- Annotate transaction data with custom fields after creating the custom field via the *Add Custom Field* service.
- Supports annotation for a single custom field across transactions, so to annotate a transaction with multiple custom fields, use multiple requests.
- Use the format request parameter to indicate an XML or tab-delimited request . Default is tab-delimited.

*Example Set Custom Field Request & Response (tab-delimited):*

POST **<https://pslcdatashop.web.cmu.edu/services/datasets/388/customfields/45/set>**

transaction_id	value
14334	0.323
14335	0.817

```
<?xml version="1.0" encoding="UTF-8"?>
<pslc_datashop_message result_code="0" result_message="Success. Annotated 2 transactions." />
```

### Get Custom Field Metadata

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

- Get a listing of custom fields with metadata for a given dataset or for a single custom field.
- Use the mine parameter to retrieve only customs fields owned by you. Default is false.

### Modify Custom Field Name

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

- Modify a custom field’s name (this can only be done by the owner of the custom field).
- Use the format request parameter to indicate an XML or tab-delimited request. Default is tab-delimited.

### Modify Custom Field Description

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

- Modify a custom field’s description (this can only be done by the owner of the custom field).
- Use the format request parameter to indicate an XML or tab-delimited request. Default is tab-delimited.

### Delete Custom Field

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

- Remove a custom field entirely, including metadata and all values associated with transactions (this can only be done by the owner of the custom field).