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# Jupyter Workspaces (Beta)


## Intro

Jupyter Workspaces in Domo are a web-based interactive development environment for Jupyter notebooks, code, and data. Workspaces
are tightly integrated with Domo to allow users to easily explore their Domo DataSets, leverage instantaneous code execution to
develop pipelines for data science and machine learning, document their processes, create custom visualizations, and write
transformed data back into Domo.

See the Domo Knowledge Base for more information on using Jupyter Workspaces: [Jupyter Workspaces (Beta)]
(https://knowledge.domo.com/Connect/Connecting_to_Data_Using_Other_Methods/Jupyter_Workspaces_(Beta))

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## Exploring Your Data in Jupyter

Any dataset that has been configured as an *Input* to your Jupyter Workspace in Domo can be read into a dataframe in Jupyter. In
order to do this, import the domojupyter library and call the `read_dataframe()` function with the alias you've configured for
your input dataset.

**Python**:
```python
    import domojupyter as domo
    # Read the dataset configured with alias 'BMX I' as a pandas dataframe
    bmx = domo.read_dataframe('BMX I')
    bmx.head()
```

R:
```r
    library("domojupyter")
    # Read the dataset configured with alias 'BMX I' as a dataframe
    bmx = read_dataframe("BMX I")
    head(bmx)
```

Query Data Using SQL

Datasets can be queried with SQL-like syntax. This can be used to limit the size of the data returned for large datasets or to
leverage the power of Domo to perform aggregations on the fly.

Python:
```python
    import domojupyter as domo
```
```

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