

Oracle Machine Learning for Python Known Issues

Learn about the issues you may encounter when using Oracle Machine Learning for Python and how to work around them.

Topics:

- [Running `oml.dir\(\)` in Oracle Machine Learning notebooks returns an empty list.](#)

Running `oml.dir()` in Oracle Machine Learning notebooks returns an empty list.

Running the `oml.dir()` function in a notebook should return the `oml.*` objects in the current workspace. However, at present, running `oml.dir` returns an empty list:

```
%python
import oml
...
oml.dir()
[]
```

Workaround

To work around this problem, use `dir()` and check if the objects belong to the `oml` module. For example, use `dir()` to return the objects.

```
%python
dir()
['__builtins__', '__zeppelin__', 'datasets', 'linear_model', 'oml',
 'inv_objects', 'inv_wine', 'inv_wine_columns', 'pd', 'wine', 'x',
 'y', 'z']
```

Then use `<obj>.__class__.__module__` to return the module name for an object `<obj>`; for example:

```
%python
inv_wine.__class__.__module__
'oml.core.frame'
```

If the returned string starts with `oml.`, the object belongs to the `oml` module.

If you have many objects to check, you can iterate through the objects; for example:

```
%python
[t for t in dir() if eval(t).__class__.__module__[0:4] == 'oml.']
['inv_wine']
```

See `oml.dir()` and `dir()` in [Oracle Machine Learning for Python API Reference](#) and see [Get Started with Notebooks for Data Analysis and Data Visualization in Using Oracle Machine Learning on Autonomous Database](#).

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