

Highlight

Note

## Monitoring and Reviewing Automated ML Runs

You can monitor automated machine learning experiment runs in Azure Machine Learning studio, or in the Jupyter Notebooks **RunDetails** widget.

### Retrieving the Best Run and its Model

You can easily identify the best run in Azure Machine Learning studio, and download or deploy the model it generated. To accomplish this with the SDK, you can use code like the following example:

```
best_run, fitted_model = automl_run.get_output()
best_run_metrics = best_run.get_metrics()
for metric_name in best_run_metrics:
    metric = best_run_metrics[metric_name]
    print(metric_name, metric)
```

### Exploring Preprocessing Steps

Automated machine learning uses scikit-learn pipelines to encapsulate preprocessing steps with the model. You can view the steps in the fitted model you obtained from the best run using the code above like this:

```
for step_ in fitted_model.named_steps:
    print(step)
```