Practice: Sharing and Creating Notebooks Using Oracle Machine Learning Templates

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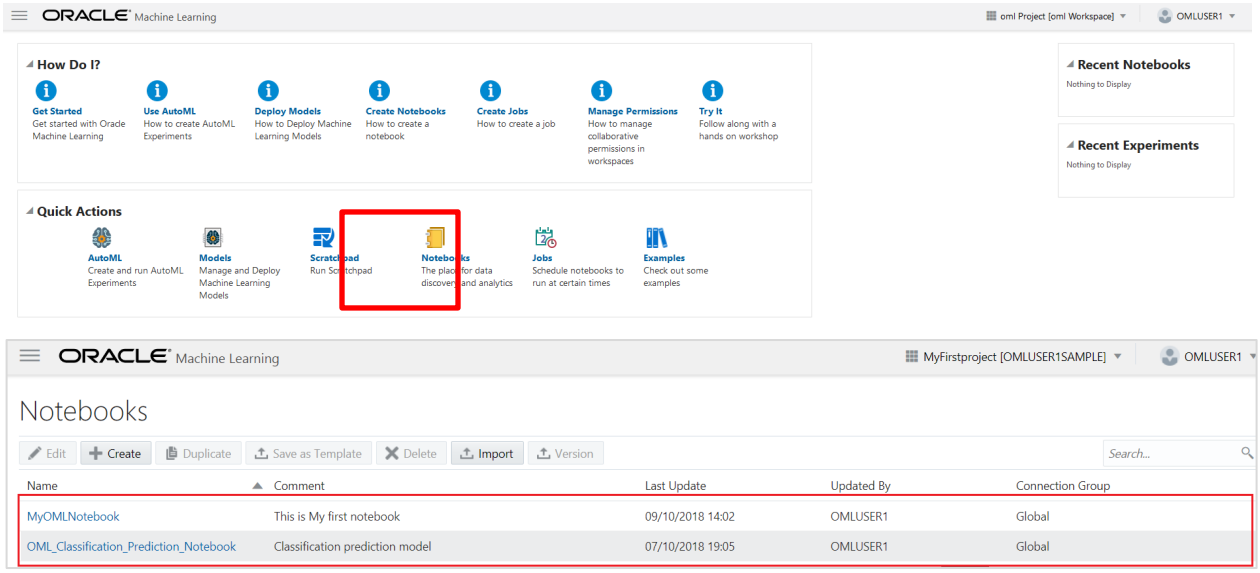
Overview

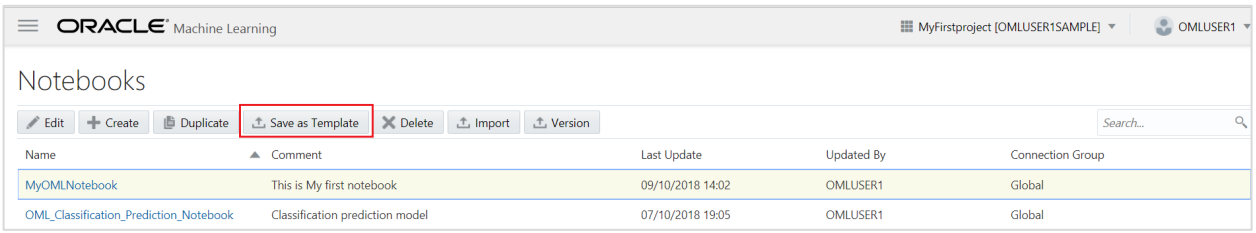
In this practice, you share a notebook using Oracle Machine Learning templates and create notebooks from Machine Learning templates.

Tasks

1. Log into your Oracle Cloud Free Tier Account
2. On the Oracle Machine Learning home page, click **Notebooks**. It displays all the notebooks, as shown below.



3. On the Notebooks page, select the notebook you want to save as a template and click **Save as Template**. The Save as Template dialog box opens.

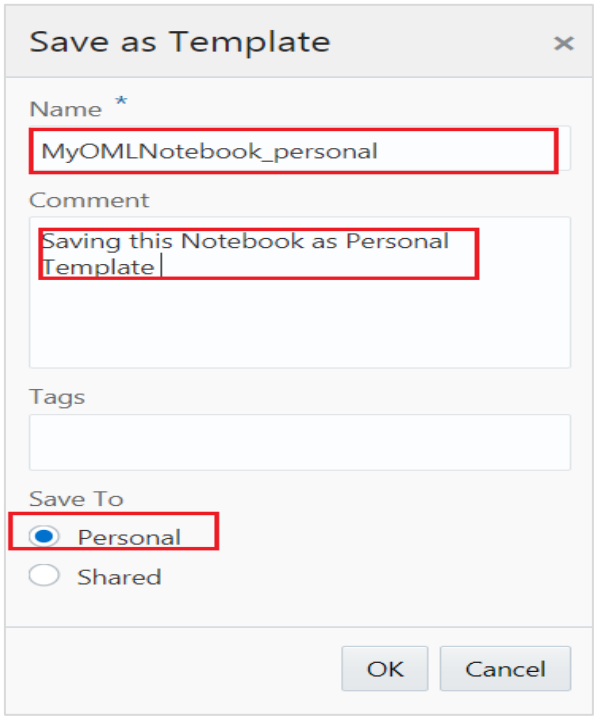


   a. In the Name field, enter a name for the notebook template.

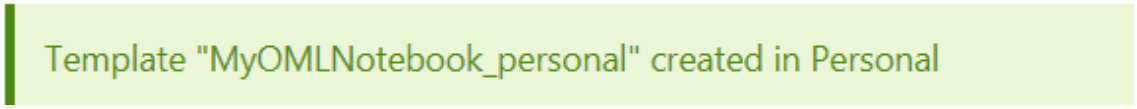
b. In the Comments field, enter comments, if any.In the Save To field, select **Personal** if you want to save this template to Personal Templates, as shown below.

Name: MyOMLNotebook_personal

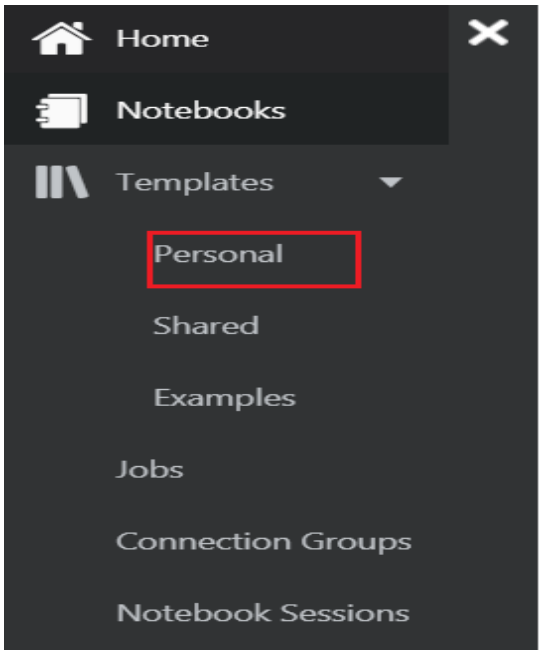
Comments: Saving this Notebook as Personal Template



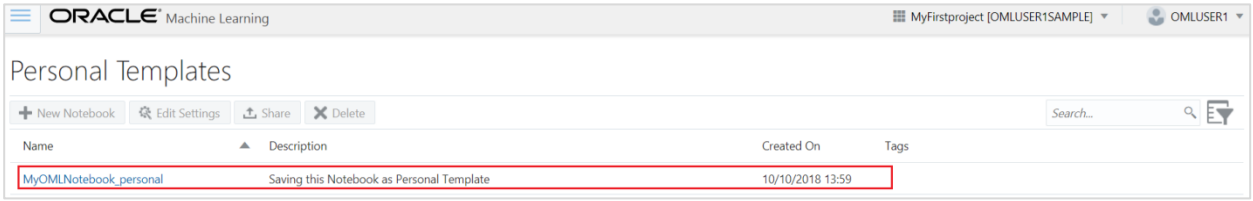
c. Click **OK**. The notebook will be successfully created in Personal Templates.



d. To check the personal template, click **Menu** and then click **Personal** under Templates.

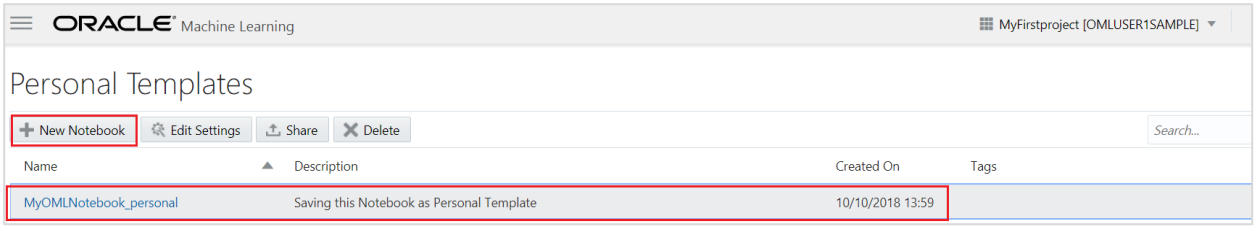


e. The Personal Templates home page will be displayed as follows:



4. To create a notebook from the personal template, follow these steps:

a. On the Personal Templates page, select the template based on which you want to create the notebook, and click **New Notebook**.



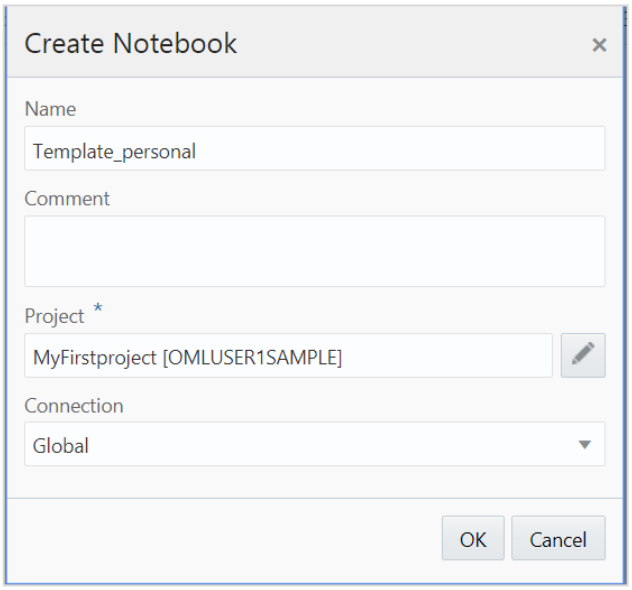
b. In the Name field, provide the name “Template_personal” for the notebook.

c. In the Comments field, enter comments, if any.

d. In the Project field, select the project in which you want to save your notebook.

e. In the Connection field, the default connection is selected.

f. Click **OK**.



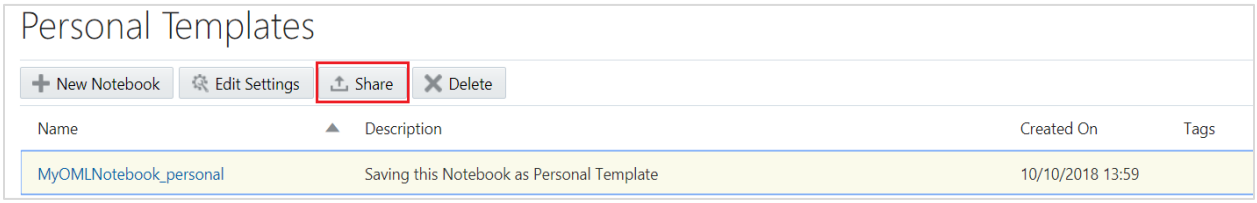
g. The notebook **Template_personal** is created successfully in MyFirstproject.

> Notebook "Template_personal" created in project "MyFirstproject".

5. To share templates from Personal Templates, follow these steps:

a. Select the notebook template in Personal Templates and click **Share**.

The Save to Shared Templates dialog box opens.



b. In the Name field, enter a new name for the template.

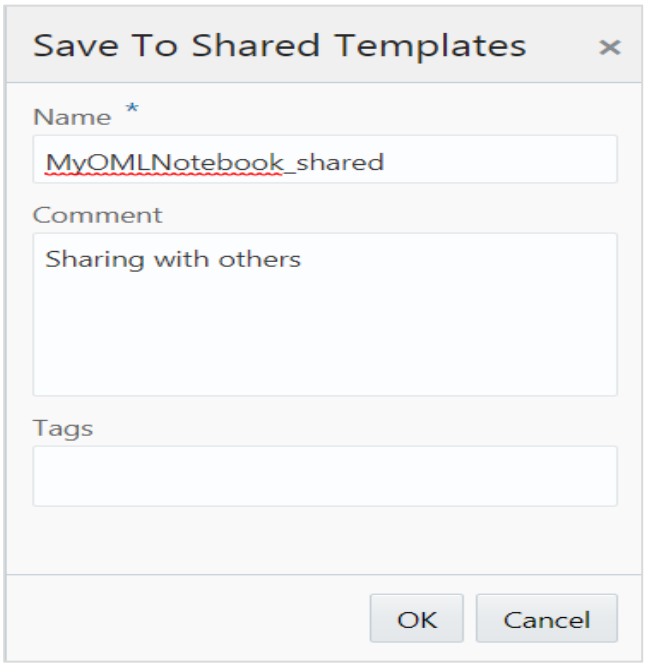
c. In the Comments field, provide comments, if any.

d. In the Tags field, enter tags separated by commas. To enable easy searching, use descriptive tags.

e. Click **OK**.

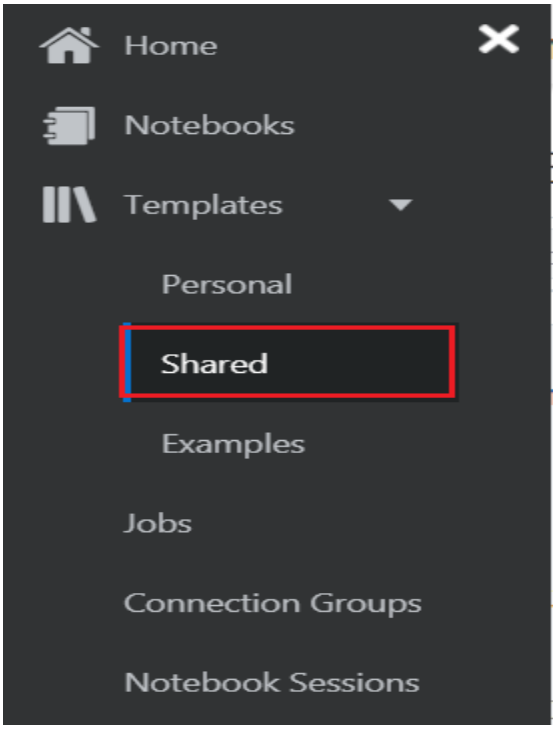
Name: **MYOMLNotebook_shared**

Comment: Sharing with others

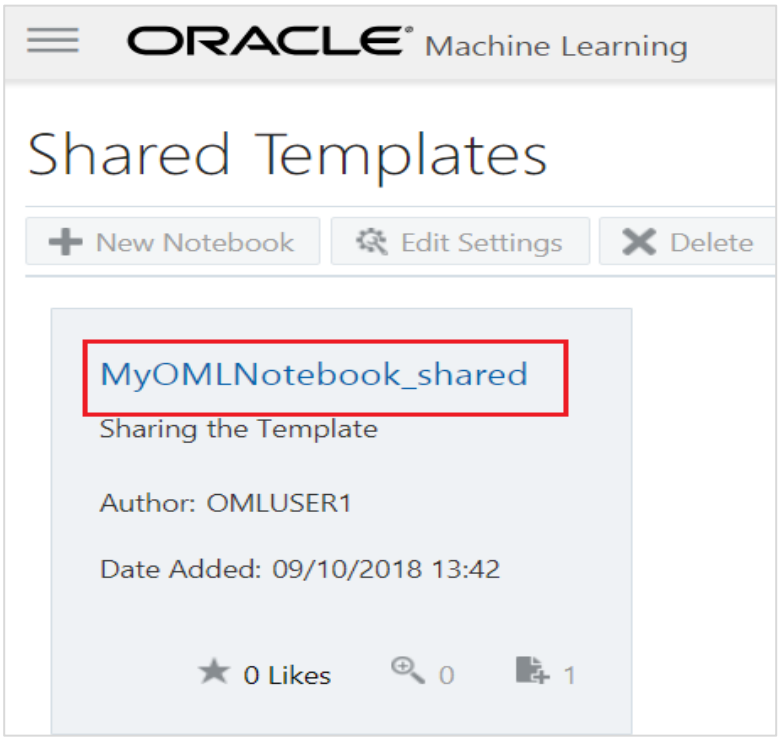


f. The MYOMLNotebook_shared template is successfully shared to Shared Templates.

g. To check the shared template, click **Menu** and select **Shared** under Templates.



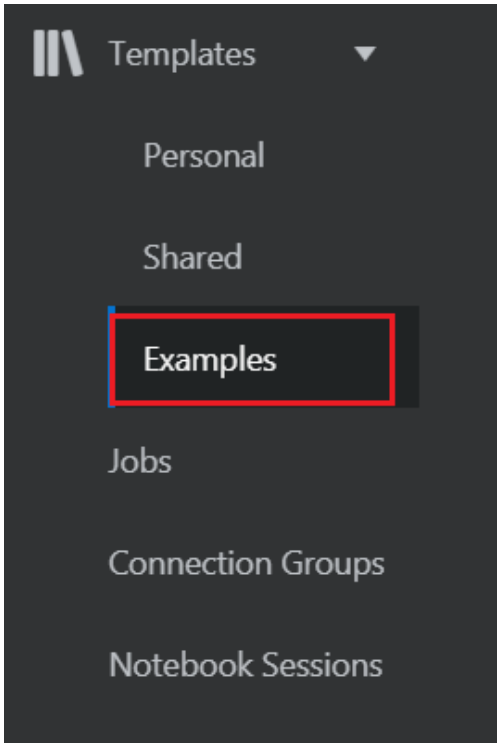
h. The Shared Templates home page will be displayed. Check the template you have shared.



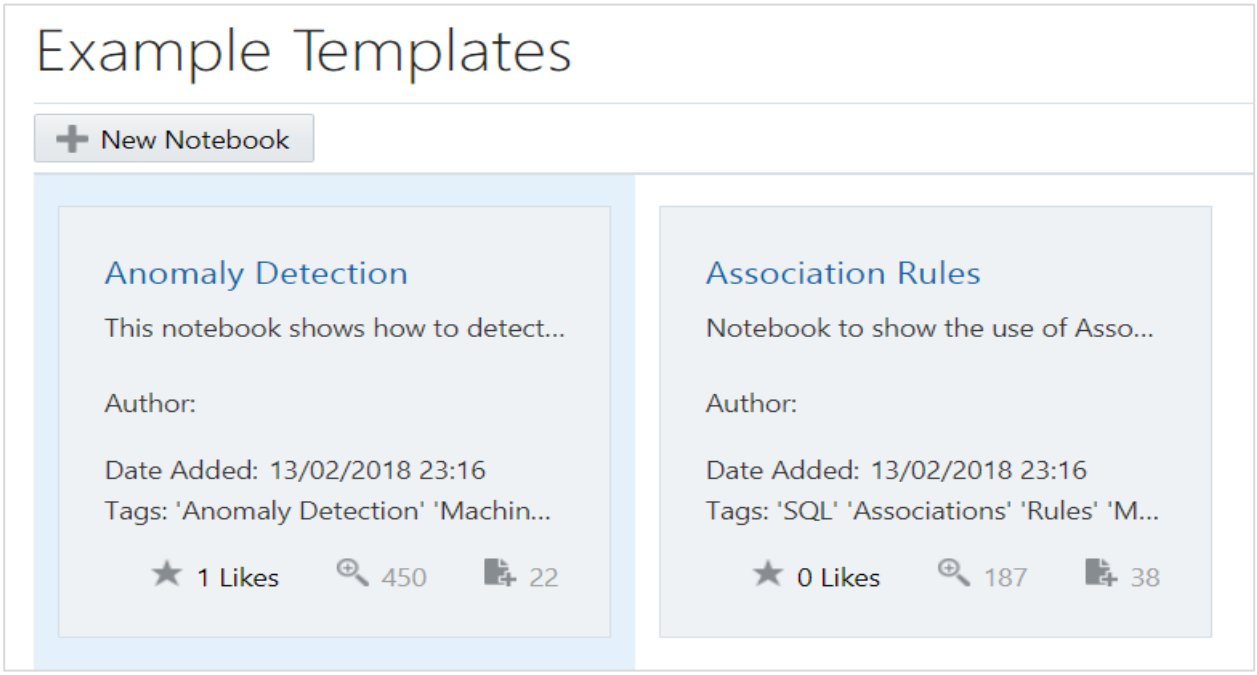
6. Create notebooks from Example Templates

To create a notebook, follow these steps:

a. Click **Menu** in the left corner and select **Examples** under Templates, as shown below.

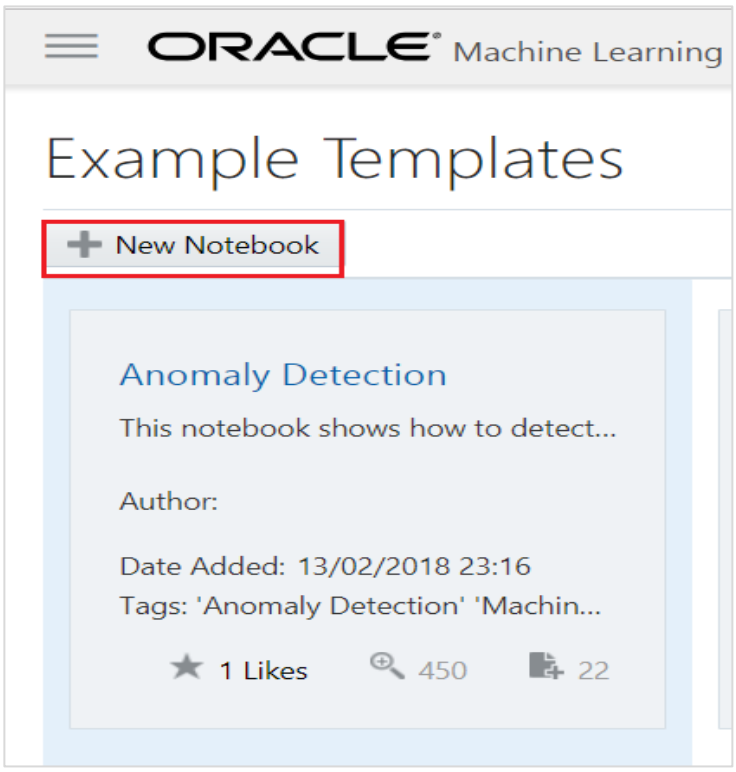


b. The Example Templates home page will be displayed.



c. On the Example Templates page, select the template based on which you want to create a notebook.

d. Click **New Notebook**.

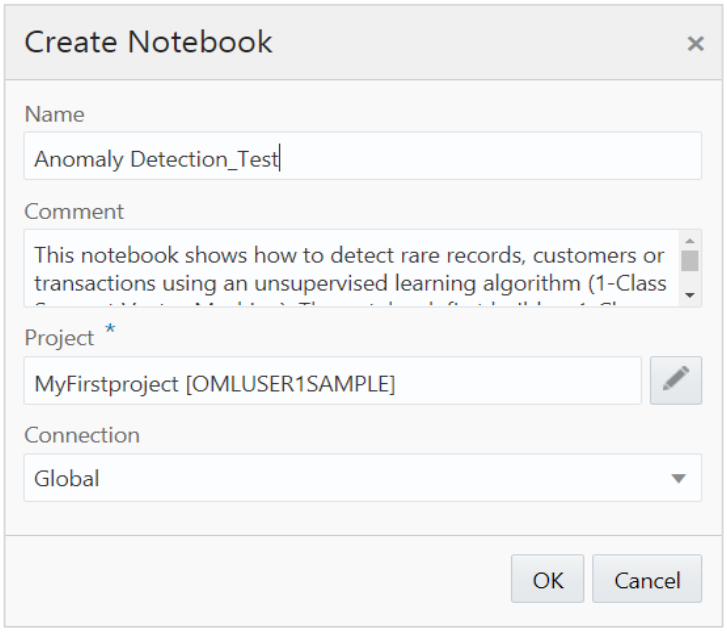


e. The Create Notebook dialog box opens.

f. In the Create Notebook window, the name of the selected template appears. In the Name field, you can change the notebook name, as shown below.

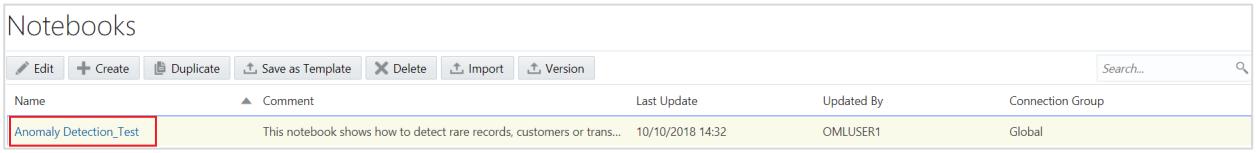
Name: Anomaly Detection Test

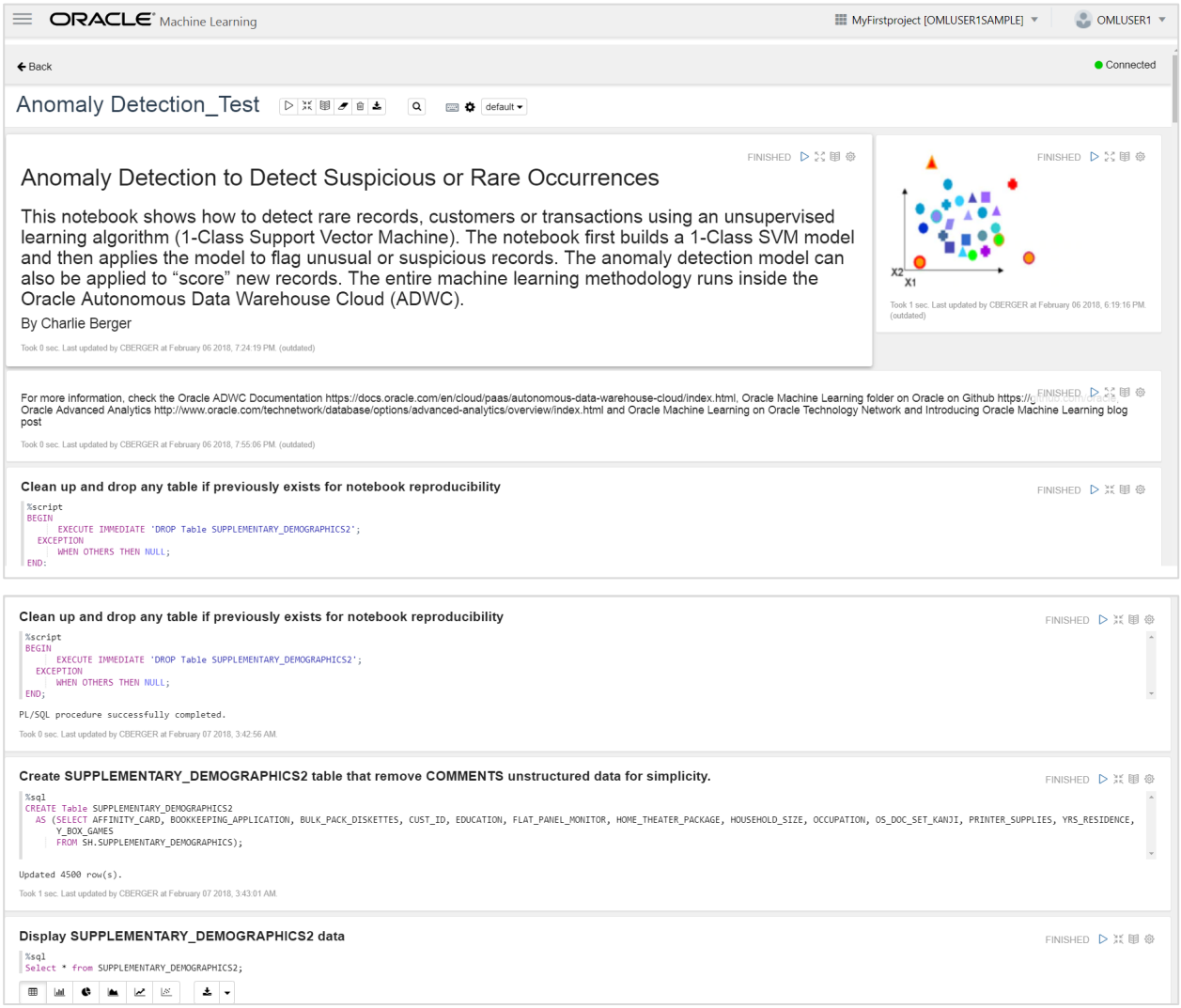
Comment: This notebook shows how to detect rare records, customers, or transactions using an unsupervised learning algorithm (1-Class Support Vector Machine). The notebook first builds a 1-Class SVM model and then applies the model to flag unusual or suspicious records. The anomaly detection model can also be applied to score new records. The entire machine learning methodology runs inside Oracle Autonomous Data Warehouse (ADW).



g. Click **OK.** The Anomaly Detection_Test notebook is created successfully in MyFirstproject.

h. Click **Notebooks** from the Menu and open the **Anomaly Detection_Test** notebook as shown below.





This is how you can share notebooks with OML templates and create notebooks from Machine Learning templates.

This completes the practice for sharing a notebook using Oracle Machine Learning templates and create notebooks from Machine Learning templates.