

## Simulation Transcript

### Save AI models as Jupyter Notebooks

1. Once you have completed your experiment and determined the best model, your next step is to save the model. Select **Save as**.

#### **Models and notebooks**

You'll recall that the experiment ended by showing a confusion matrix. It's a mathematical test that compares predictions from all of the algorithms to see which one worked best. Basically, your job is done now. The IT folks who had gathered around begin to disperse—except for a couple of people who linger so they can see how you'll save and store the winning model.

Select **X** to close this window and continue. ⓘ

2. You have two options. You can save the model or you can save as a notebook. To use the model again in Watson Studio you would select Model, but to interact with the model on a deeper level you need to save it as a notebook. Select **Notebook**.
3. The name shown in the Name field in the **Define details** section will change to the name of the model and the pipeline that Watson selected with "Notebook" at the end. Select **Create**.
4. Now, select the **View in project** link that displays in the notification box.
5. The **Pipeline notebook** displays, but it is currently view only. You need to be able to edit it. Select **Edit** icon from the menu on the top right. This makes it possible to edit the notebook.
6. The notebook in an editable form displays, but it is not trusted. This means that the JavaScript shown in the notebook will be disabled and not allowed to run. Since you want to be able to run the code, you need to trust the notebook. Select the **Not Trusted** link in the upper right.
7. This displays the **Trust this notebook?** dialog box. Select **Trust**.
8. The display refreshed and the notebook now shows as trusted and all the JavaScript in the notebook is enabled. Select the **Next arrow** to continue.
9. Now that your notebook is trusted, it's time to download the notebook. Select **File** from the top menu.
10. Now, select **Download as**. This displays the formats that you can download the notebook in.
11. Select **Notebook (.ipynb)** to download the notebook in Jupyter Notebook format.
12. This will open a new tab and automatically download the notebook in Jupyter Notebook format to your computer. Next, you'll look at what you can do with the downloaded notebook.

**Conclusion:** You successfully saved and downloaded your IBM Watson AutoAI model. You can now use this model with new data sets, modify the code of the model, and even use the model on other integrated development environments (IDEs).