



Scripting Tiles vs. Jupyter

Lunch & Learn | May 4, 2023

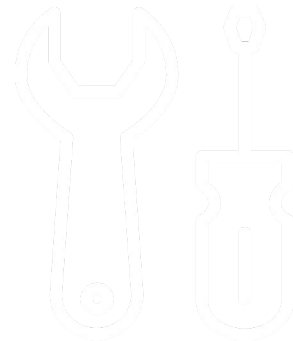
Shelby McNeill, Vishakha Shenoy, & Bryan Powell

Data Scientists

Data Science Professional Services at Domo, Inc.


Agenda

- Intro to Data Science Tools
- Intro to Star Wars Planets dataset
- Correlation Matrix
 - Jupyter Workspaces
 - Magic ETL Scripting Tiles
- Jupyter Workspace Uses
 - Data Profiler Demonstration





Domo Data Science Tools


Domo Data Science Tools	Coding Required	Availability	Use Case
<i>Magic ETL Data Science Action Tiles</i> More info	No	Premium feature, available as part of Data Science toolset.	Complete specific Data Science Actions within the Magic ETL low/no code environment. Actions include: Classification Clustering Forecasting Multivariate Outliers Outlier Detection Prediction
<i>AutoML</i> More info	No	Premium feature, available as part of Data Science toolset.	Automates specific models and selects the best available. 
<i>Magic ETL Scripting Tiles</i> More info	Yes	Premium feature, available as part of Data Science toolset.	Enables use of Python or R scripting within the Magic ETL environment. More customization of models and data manipulation available. Enables connection to data manipulation and other actions within a Magic ETL pipeline.
<i>Jupyter Workspaces</i> More info	Yes	Premium feature, available as part of Data Science toolset.	Enables use of Python or R scripting within the Jupyter environment. Most customizable Domo Data Science offering. Used as model development sandbox and data manipulation tool. Implemented as part of data modeling pipeline using Scheduled Notebooks.

Star Wars Planets Dataset

←

Star Wars | Planets | Correlation M

OVERVIEWDATACARDSLINEAGEPDPALERTSAutoML

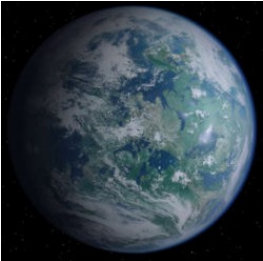
✓EDIT ETLOPEN WITH⋮

↑↓

🔍 Search Columns

📊☰📈🔗↗

Order ^	Column Name	Column Type	Description	Tags
<input type="checkbox"/>	1 name	abc Text	Name of the planet. ✎	+ Add tag
<input type="checkbox"/>	2 rotation_period	123 Integer	Length of a "day" measured in Earth/standard hours. ✎	+ Add tag
<input type="checkbox"/>	3 orbital_period	123 Integer	Length of a "year" measured in Earth/standard days. ✎	+ Add tag
<input type="checkbox"/>	4 diameter	123 Integer	Diameter of the planet in kilometers. ✎	+ Add tag
<input type="checkbox"/>	5 climate	abc Text	Description of the planet's climate. ✎	+ Add tag
<input type="checkbox"/>	6 gravity	abc Text	Gravity of planet where 1.0 is Earth's gravity. ✎	+ Add tag
<input type="checkbox"/>	7 terrain	abc Text	Planet's terrain. ✎	+ Add tag
<input type="checkbox"/>	8 surface_water	abc Text	Percentage of the planet surface that is naturally occuring water or bodies of water. ✎	+ Add tag
<input type="checkbox"/>	9 population	123 Integer	Planet's total population ✎	+ Add tag



Alderaan



Tatooine



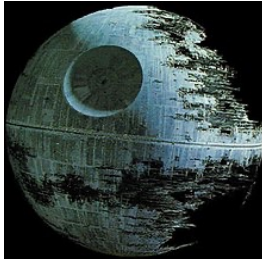
Endor



Hoth



Dagobah



That's no Moon!

