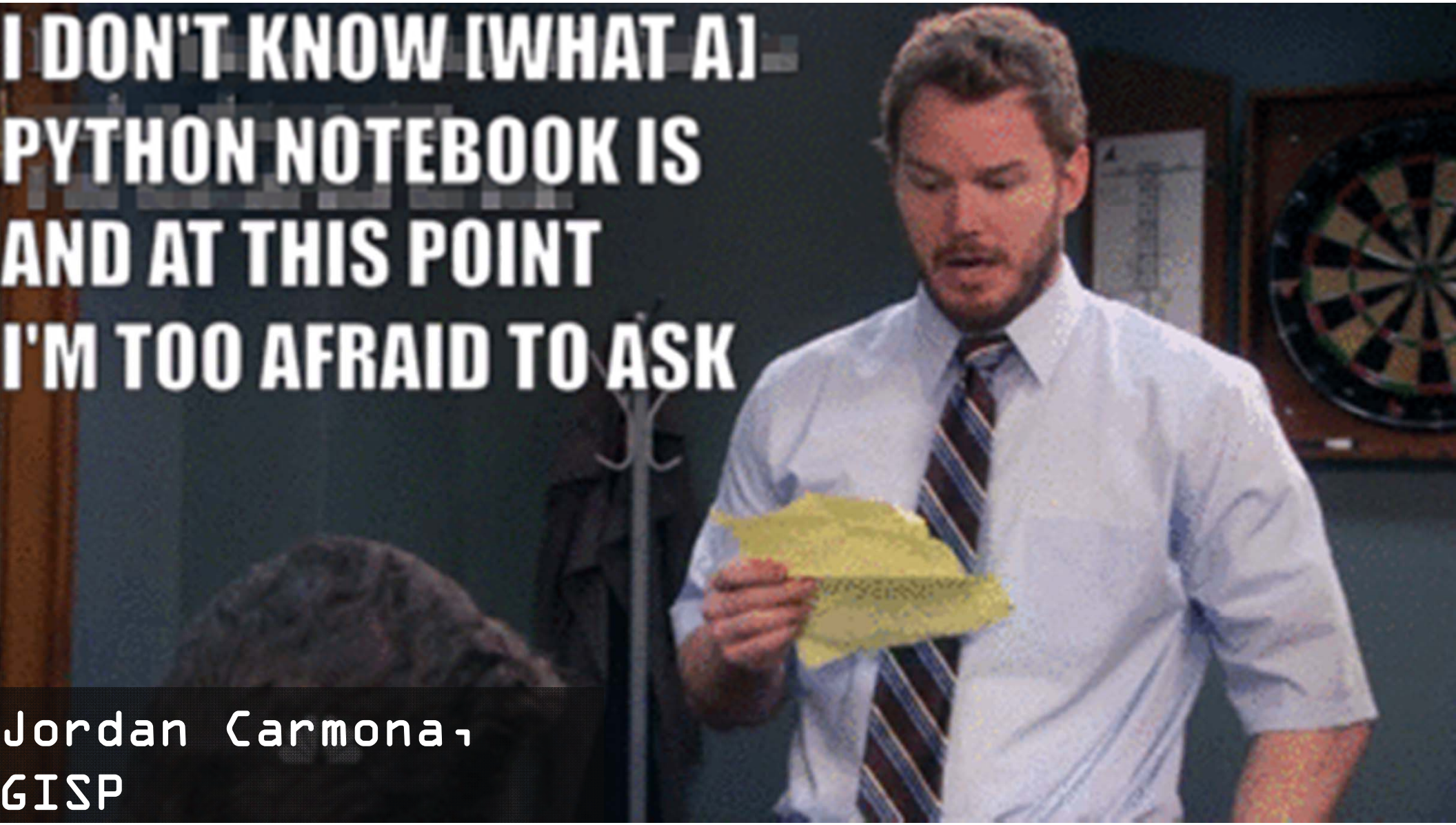


Jordan Carmona,
GISP

This presentation covers:

- Python Notebooks
- ArcGIS Notebooks
- External Coding Environment

If you wanted a history of the Python Notebook

William Horton gave a great session that is available at:

ep2020.europython.eu/media/conference/slides/7UBMYed-a-brief-history-of-jupyter-notebooks.pdf

Demo Portion:

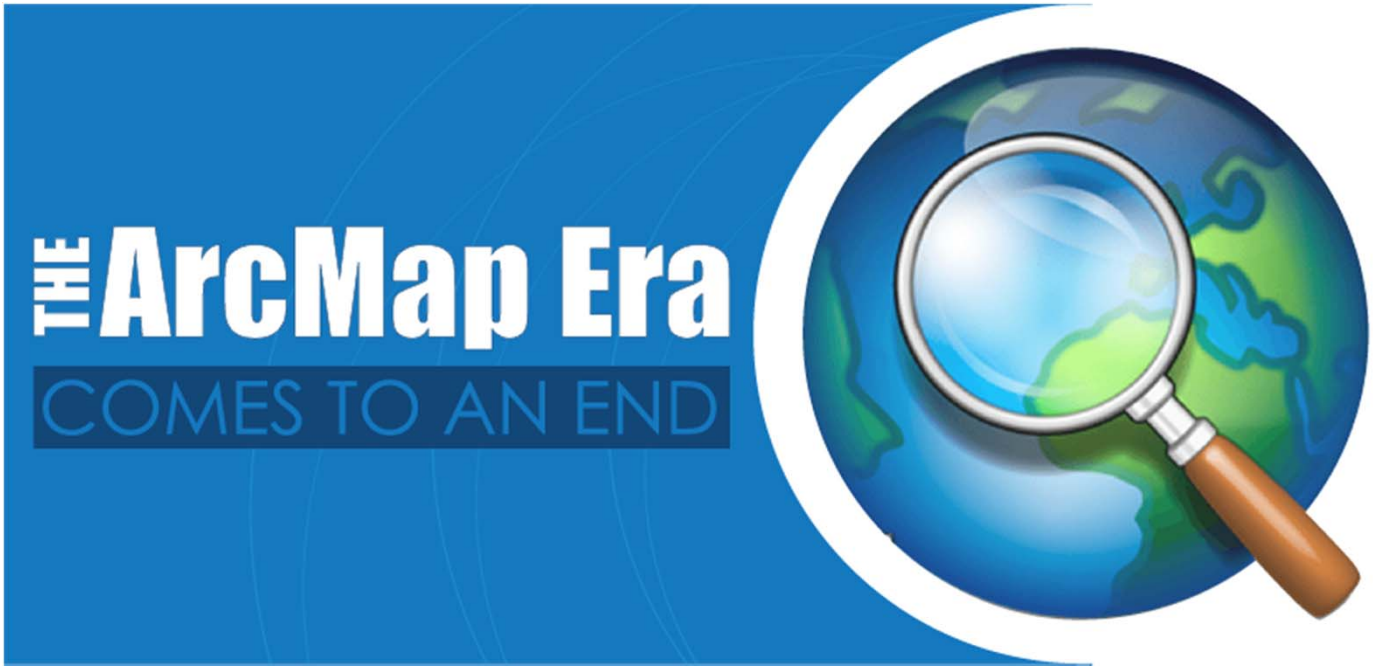
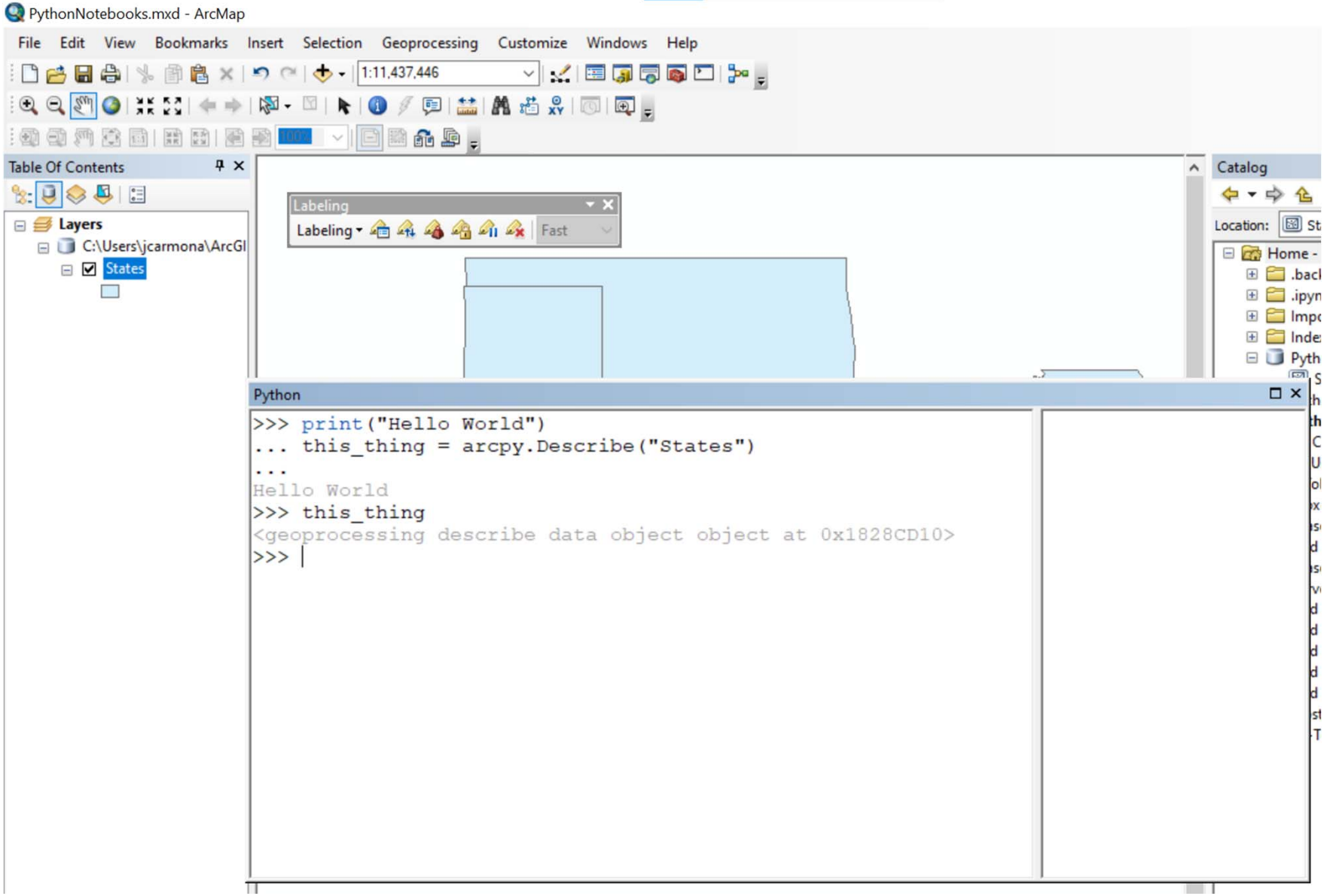
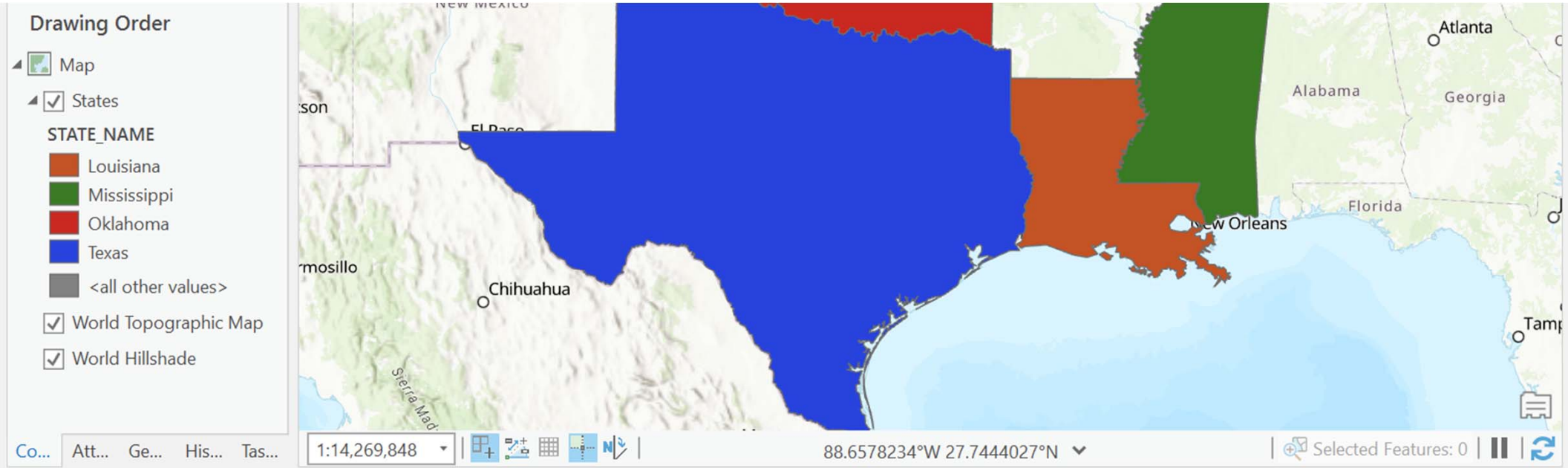


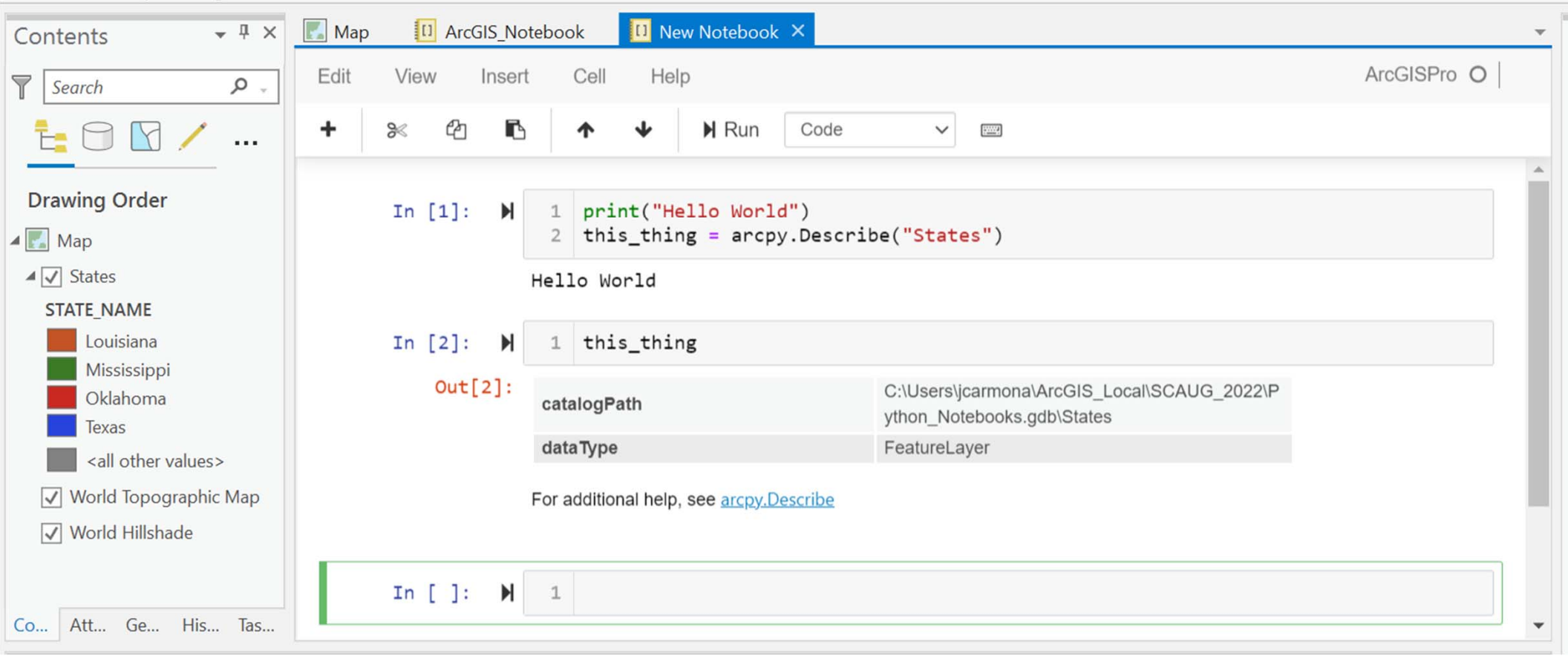
Image source: sspinnovations.com/blog/the-arcmap-era-comes-to-an-end-what-does-this-mean-for-you/


PythonNotebooks.mxd - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
1:11,437,446
Table Of Contents
Layers
C:\Users\jcarmona\ArcGI
States
Labeling
Labeling
Fast
Catalog
Location:
Home -
Python
>>> print("Hello World")
... this_thing = arcpy.Describe("States")
...
Hello World
>>> this_thing
<geoprocessing describe data object object at 0x1828CD10>
>>>



Python

```
print("Hello World")
this_thing = arcpy.Describe("States")
Hello World
this_thing
<geoprocessing describe data object object at 0x0000015BD37AE0B0>
```


Contents
Search
Drawing Order
Map
States
STATE_NAME
Louisiana
Mississippi
Oklahoma
Texas
<all other values>
World Topographic Map
World Hillshade
Co...
Att...
Ge...
His...
Tas...
Map
ArcGIS_Notebook
New Notebook
Edit
View
Insert
Cell
Help
ArcGISPro
Run
Code
In [1]:
1 print("Hello World")
2 this_thing = arcpy.Describe("States")
Hello World
In [2]:
1 this_thing
Out[2]:
catalogPath
C:\Users\jcarmona\ArcGIS_Local\SCAUG_2022\Python_Notebooks.gdb\States
dataType
FeatureLayer
For additional help, see arcpy.Describe
In [ ]:
1

Creating a Standalone Python Environment in Anaconda

It's okay to not know everything off hand!
This is a cheat sheet.
I had to use a cheat sheet to even make this slide.

https://docs.conda.io/projects/conda/en/latest/_downloads/843d9e0198f2a193a3484886fa28163c/conda-cheatsheet.pdf

```
conda create --name esri
conda activate esri

conda install -c esri arcpy
conda install -c conda-forge geopandas
conda install -c conda-forge rtree=0.9.3
conda install -c conda-forge fiona=1.8.13
```

Fin

! What did you find interesting?

Reach me at:
jcarmona@prospertx.gov