



Python

Our commitment to Python is stronger than ever

Python is the language of the ArcGIS platform

Demonstration

- Problem Statement Drought
 - Social and Economic Impacts for the Western US.
 - I heard "I Am Thirsty" through the Grape Vine?
 - Monitoring Drought and Vineyards
 - Python From Start to Finish

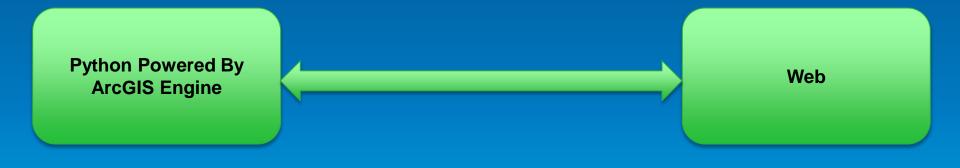




Step 1: Download and Extract Data from the Drought Monitor

Obtaining the Drought Zones





Python Module: urllib

Download Files From the Web

Python Module: zipfile

Extract archived files

Step 2: The Power of Geoprocessing

Selecting the Wineries within Drought Zones



Geoprocessing

890+ Tools to Choose

Make Feature Layer

Select Layer by Attribute

Spatial Join

Save to Layer File

Apply Symbology from Layer

Step 3: ArcPy – Managing Online Content

Python Powered By ArcGIS Engine

Web

Python Module: arcpy.mapping
Service Drafts and Maps

Python Module: json
Common Language

Python Module: urllib, urllib2
Python Package: requests

Updating and Publishing

Step 4: Direct Control of ArcGIS Online

Python Powered By ArcGIS Online ArcGIS Engine Python Module: urllib, urllib2 Python Module: json Python Package: requests **Common Language Updating and Publishing Call Online Analysis Tools** Geoenrichment

Extends Functionality: https://github.com/arcpy/update-hosted-feature-service

Step 5: Automation



Python Powered By ArcGIS Engine

Python Package: python-crontab

Update every 7th Day

Availability:

https://github.com/mjanikas/devsummit-14-python