

Python - Top 5 Tips and Tricks

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5. Choose the best place to write
code

Where do I write Python code?

- IDE
 - PyCharm, Spyder, Wing IDE, Python IDLE,...
- Python window in ArcGIS



4. Copy and paste

Copy and paste - Code samples

Code sample

ListFeatureClasses example

Copy shapefiles to a geodatabase.

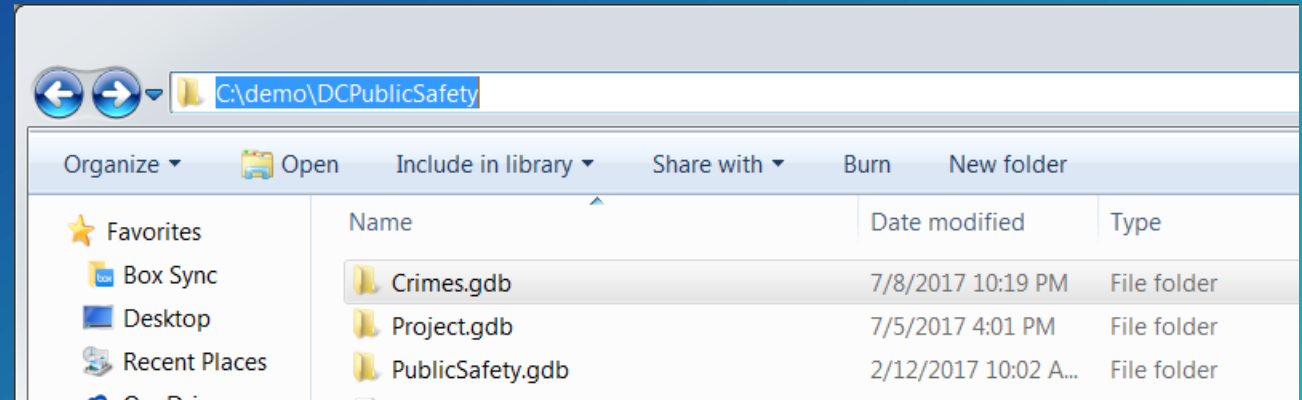
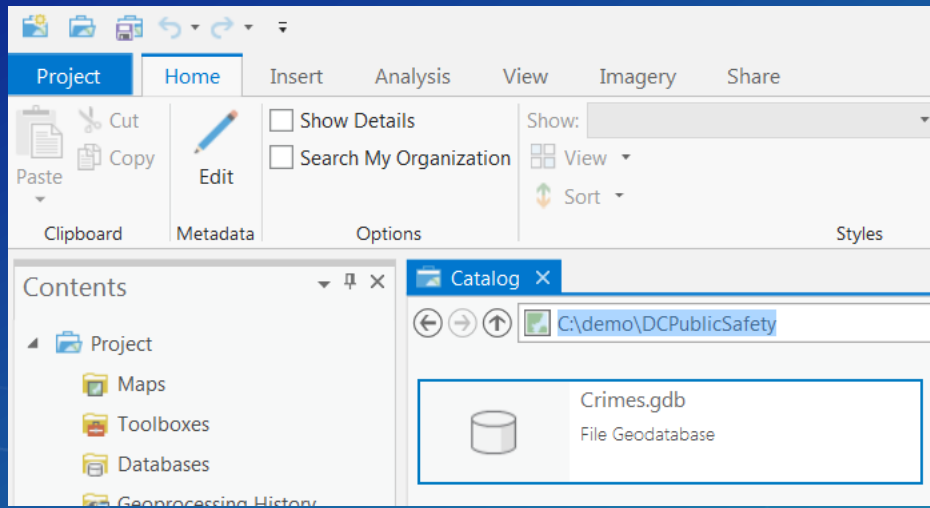
```
import os
import arcpy

# Set the workspace for ListFeatureClasses
arcpy.env.workspace = "c:/base"

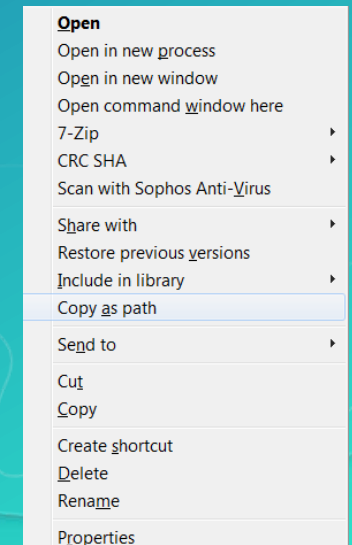
# Use the ListFeatureClasses function to return a list of
# shapefiles.
featureclasses = arcpy.ListFeatureClasses()

# Copy shapefiles to a file geodatabase
for fc in featureclasses:
    arcpy.CopyFeatures_management(
        fc, os.path.join("c:/base/output.gdb",
                          os.path.splitext(fc)[0]))
```

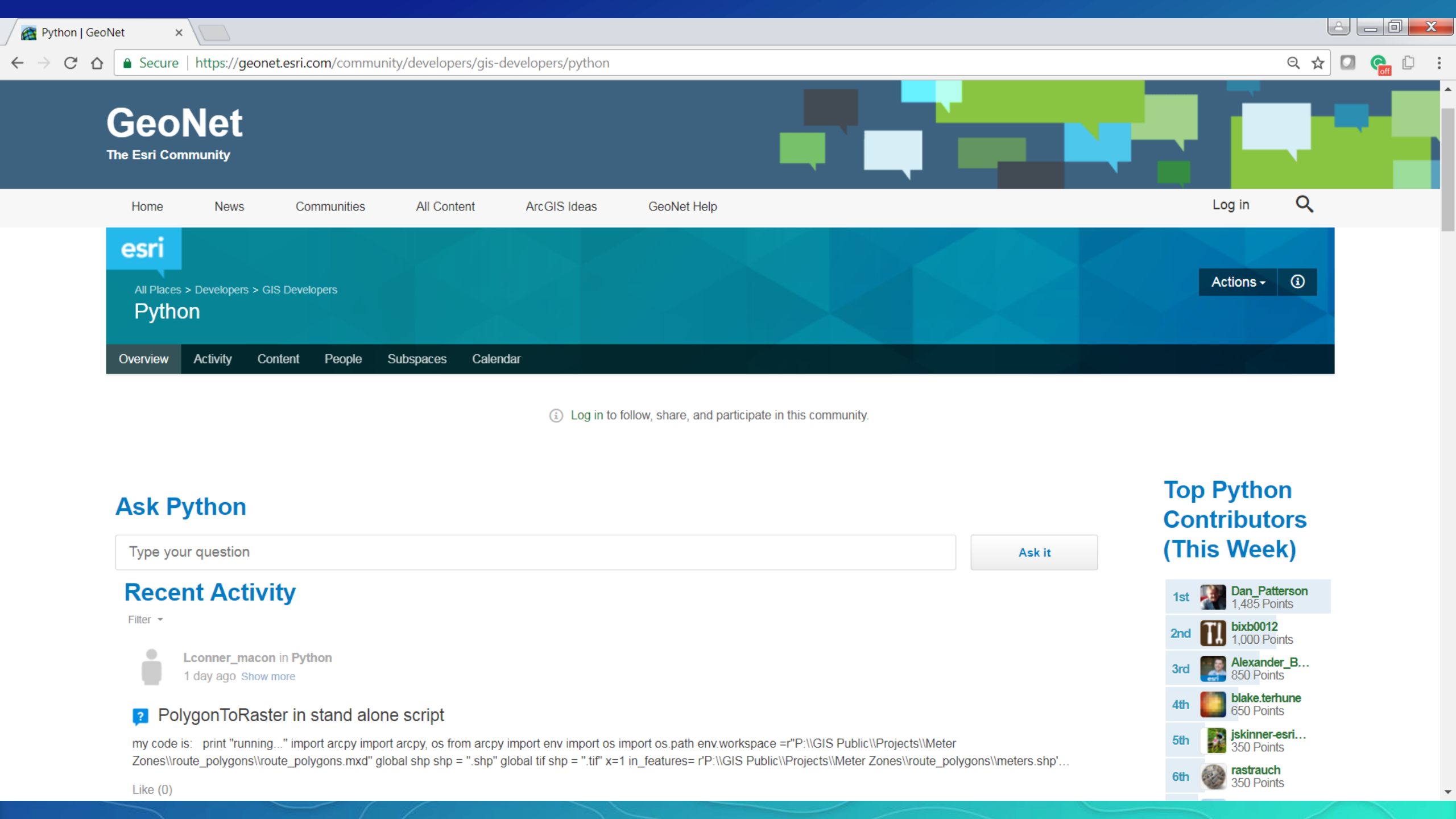

Copy and paste - Paths



Shift + Right-click a file reveals the Copy as path option



3. Participate in the Python GeoNet Community



2. Explore the ArcGIS API for Python Sample Notebooks

Chennai floods analysis

← → ↺ ⌂

https://developers.arcgis.com/python/sample-notebooks/chennai-floods-analysis/

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Scripting and Automation / ArcGIS API for Python (1.2.0) / Sample Notebooks

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Chennai floods analysis

Fighting California forest fires using spatial analysis

Creating hurricane tracks using GeoAnalytics

Analyze NewYork city taxi data

Finding suitable spots for AED devices using Raster Analytics

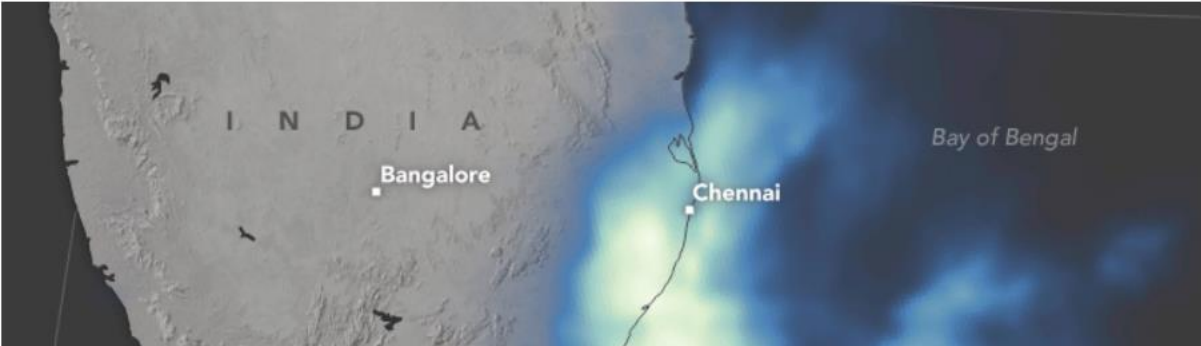
Counting features in satellite images using scikit-image

Download the samples

Try it live

Chennai Floods 2015 - a geographic analysis

On December 1-2, 2015, the Indian city of Chennai received more rainfall in 24 hours than it had seen on any day since 1901. The deluge followed a month of persistent monsoon rains that were already well above normal for the Indian state of Tamil Nadu. At least 250 people had died, several hundred had been critically injured, and thousands had been affected or displaced by the flooding that has ensued.

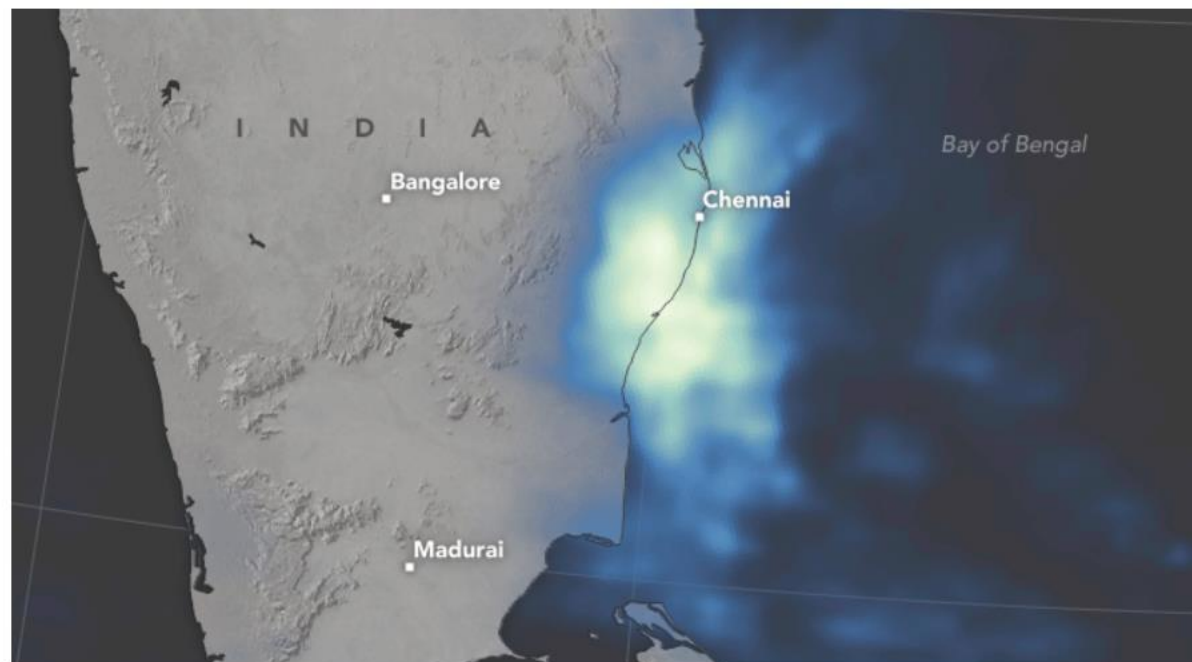


Waiting for secure.adnxs.com...

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Chennai Floods 2015 - a geographic analysis

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1. Add Python packages with ArcGIS Pro

New

Open

Save

Save As

Portals

Licensing

Options


Python


Add-In Manager


Python Package Manager

Project Environment

arcgispro-py3

 Installed Packages

 Update Packages

 Add Packages

Installed Packages

The following list of Python packages are installed with ArcGIS Pro.

[Learn more about Conda packages](#)

Installed: 69

Name	Version
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Add Packages

Python packages let you do more with ArcGIS Pro. The list below includes available Python packages that can be optionally installed.

arcgis

Name	Versions
arcgis	1.0.1
r-arcgisbinding	1.0.0.124

arcgis

Version: 1.0.1
ArcGIS API for Python

Install

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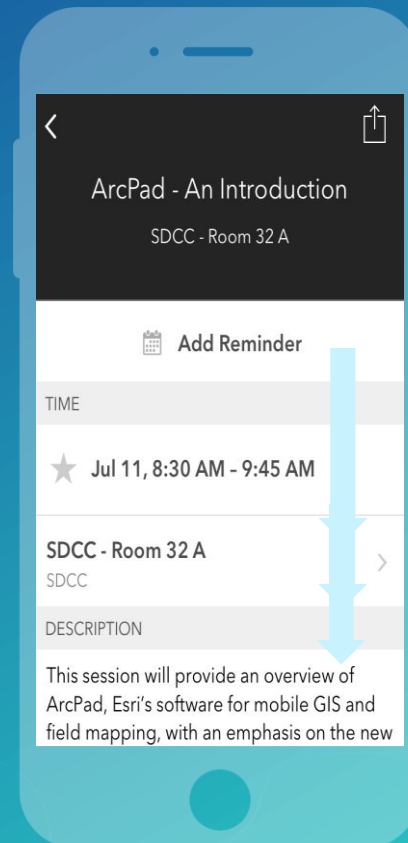
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