arraytools Documentation

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Arraytools is a module for working with data using NumPy in a GIS environment. Many of the functions do not require ArcGIS Pro since the *arcpy* module is not imported. Any functionality that requires it is placed in a separate environment and needs to be imported directly at the module level.

The modules that are included in `arraytools` included

1. _basic

2. _io

3. create

4. . . . snip . . .

5. tools

6. utils

What is in'arraytools'

1.1 Contents of arraytools

The imports and basic layout of the package are listed in the `__init__` file. The remainder of the imports are presented in subsequent sections.

1.1.1 arraytools `__init__`

Initialization of arraytools doesn't import any of the functionality for `arcpy` by default so that extra requirement doesn't clog namespace.

1.1.2 _basic module

Fundamental array methods and properties.

1.1.3 _io module

Input and output for arrays to and from disk.

1.1.4 format arrays

Format arrays in a variety of ways.

1.1.5 geometry functions

Functions dealing with geometry.

1.1.6 Common geometry functions

Shared functions for working with geometry.

1.1.7 Create geometry functions

Functions to create geometry.

1.1.8 Geometry properties

Properties of geometry objects.

1.1.9 arrays as grids

Arrays as grids, largely as replacements for the Spatial Analyst.

1.1.10 set operations

Set operations on arrays.

1.1.11 python tools

General python tools.

1.1.12 Switch arrange weave shape

A multipurpose set of tools for reorganizing arrays.

1.1.13 Statistical tools for stacked arrays

Statistics for N-D arrays.

1.1.14 Table operations for arrays

Arrays as tables.

1.1.15 Statistical tools for tabular arrays

Statistics for N-D arrays.

1.1.16 main array tools

A large collection of tools for working with arrays.

1.1.17 utility functions

General utility functions and helpers.

CHAPTER 2

Welcome to *Sphinx* Documentation

ReStructuredText Documentation

stuff

Indices and tables

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