

arcpy cheatsheet

⌘ arcpy

arcpy functions

messaging

← AddMessage(message)
← GetMessages()

licensing

← CheckOutExtension(ext. code)

describing data

← Describe(data)

Create objects

← Array
← Point
← Polyline
← Polygon
← ValueTable

parameters

← GetParameterAsText(index)
← SetParameterAsText(index, arg)

lists

← ListFields(dataset,{wild_card}, {field_type})
← ListRasters({wild_card}, {geom_type})

tools

← Buffer_analysis(params...)
← sa.SquareRoot(params...)

exceptions

← ExecuteError

arcpy.env
‡ overwriteOutput
‡ workspace

environment settings

Describe
‡ baseName
‡ dataType
‡ extension

describe data objects

DataSet
‡ datasetType
‡ extent

FeatureClass
‡ featureType
‡ shapeType

RasterDataset
‡ bandCount
‡ format

Workspace
‡ workspaceType

Array
Field
‡ name
‡ type
Geometry
Result
‡ outputcount
← getOutput(index)
Point
Polyline
Polygon
SpatialReference(item)
ValueTable
← AddRow

other objects

cursors (data access)

⌘ arcpy.da

← SearchCursor(data, fields, {where}, ...)
← UpdateCursor(data, fields, {where}...)
← InsertCursor(data, fields)

SearchCursor
← next()
← reset()

UpdateCursor
← next()
← reset()
← updateRow(row)
← deleteRow()

InsertCursor
← insertRow(row)

geometry tokens
SHAPE@
SHAPE@XY
SHAPE@AREA

⌘ arcpy.mapping

mapping

Layer
‡ visible
‡ name
MapDocument
← AddLayer(df,layer...)
← ListLayers(map, ...)
← ExportToPNG(map, pic,...)

‡ Read only property
‡ Read/write property
← Method
Class
⌘ Package or module

cheatsheet key