# arcpy codes for generating per forest extractions, inlayer and # directories to be added

import arcpy

import numpy

import csv

from arcpy import env

from arcpy.sa import \*

arcpy.env.cellSize = 2.5

arcpy.env.overwriteOutput = True

arcpy.env.parallelProcessingFactor = "200%"

env.workspace = "\*\*\*\*\*"

# change inlayer

inlayer = " tobeadded"

#1

# watch the intents so loops can be nested

#for x in range(0,75):

outZSaT = ZonalStatisticsAsTable("Carbon\_per\_forest\_England", "Forest",inlayer,"zonalstattblout", "DATA", "ALL")

# export to file

table =r' zonalstattblout'

outfile = "~England\_Aries\_1ha.csv"

#--first lets make a list of all of the fields in the table

fields = arcpy.ListFields(table)

field\_names = [field.name for field in fields]

with open(outfile,'wb') as f:

w = csv.writer(f)

#--write all field names to the output file

w.writerow(field\_names)

#--now we make the search cursor that will iterate through the rows of the table

for row in arcpy.SearchCursor(table):

field\_vals = [row.getValue(field.name) for field in fields]

w.writerow(field\_vals)

#del row

#2

# watch the intents so loops can be nested

#for x in range(0,75):

outZSaT = ZonalStatisticsAsTable("Carbon\_per\_forest\_Scotland", "Forest",inlayer,"zonalstattblout", "DATA", "ALL")

# export to file

table =r' zonalstattblout'

outfile = "~Scotland\_Aries\_1ha.csv"

#--first lets make a list of all of the fields in the table

fields = arcpy.ListFields(table)

field\_names = [field.name for field in fields]

with open(outfile,'wb') as f:

w = csv.writer(f)

#--write all field names to the output file

w.writerow(field\_names)

#--now we make the search cursor that will iterate through the rows of the table

for row in arcpy.SearchCursor(table):

field\_vals = [row.getValue(field.name) for field in fields]

w.writerow(field\_vals)

#del row