

#Final Project - Elephant Shrews

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#Tool Name: LAS to Mosaic Dataset

#Description: Selects all LAS files in a folder and outputs a single raster

```
import arcpy
```

```
import os
```

#Select LAS Data Folder

```
DataFolder = arcpy.GetParameterAsText(0)
```

```
arcpy.env.workspace = DataFolder
```

```
arcpy.env.overwriteOutput = True
```

#Create variable that will list all LAS files in the folder

```
LasFiles = arcpy.ListFiles("*.las")
```

```
print "The following LAS files will be used:"
```

```
print LasFiles
```

#Create LAS Dataset

```
LasDataset = os.path.join(DataFolder, "LAS_Dataset.lasd")
```

```
arcpy.CreateLasDataset_management(LasFiles, LasDataset)
```

```
print "LAS Dataset has been created"
```

#Set Processing Extent to the LAS Dataset

```
arcpy.env.extent = LasDataset
```

#Convert LAS Dataset to Raster

```
LasRaster = arcpy.GetParameterAsText(1)
```

```
arcpy.LasDatasetToRaster_conversion(LasDataset, LasRaster)
```

```
print "Raster has been created"
```

#Delete LAS Dataset

```
arcpy.Delete_management(LasDataset)
```

```
print "LAS Dataset has been removed"
```