Executing: RandomForestModelPredictFromArcGISRasters "F:\PhD Thesis\GDE\_Probability Estimates\RandFor\Rand\_Fores\_Clas" "F:\PhD Thesis\GDE\_Probability Estimates\Raster\_Predict\_Prob\NV\_Pred\_Prob" "WTD RF (m)" "'WTD RF (m)' WTD\_RF BILINEAR;'ARIDITY INDEX' AI BILINEAR" # # true true

Start Time: Mon Jan 11 15:57:57 2016

Running script RandomForestModelPredictFromArcGISRasters...

Warning: package 'rgdal' was built under R version 3.1.3

Warning: package 'sp' was built under R version 3.1.3

Loaded randomForest.formula from F:\PhD Thesis\GDE\_Probability Estimates\RandFor\Rand\_Fores\_Clas. The model was fitted with the R randomForest package.

Checking coordinate systems, extents, and cell sizes of predictor rasters and reprojecting and clipping as needed to make them conform to the template raster...

Projecting and clipping ARIDITY INDEX. Its cell size (952.0969102111973) does not match the cell size of the template raster (999.8262761056258).

Predicting...

Warning: This appears to be a binary classification model but no cutoff value was provided. The output will be a continuous floating-point value ranging from 0 to 1. To obtain a binary integer value, please provide a cutoff and try again.

Warning: This prediction is estimated to require 1.9 minutes to complete.

Creating outputs...

RuntimeError: Failed to retrieve a block of data of 675 columns by 879 rows at offsets x=0, y=0 from band 1 of band 1 of GDAL dataset "C:\Temp\GeoEcoTemp\_Isabel\tmpnjknfe\temp\_response.bil" with the Geospatial Data Abstraction Library (GDAL). Verify that the dataset exists, is accessible, and has the expected dimensions. Detailed error information: band.ReadAsArray(0, 0, 675, 879) reported RuntimeError: Can't load requested DLL: C:\Program Files (x86)\GDAL\gdalplugins\gdal\_netCDF.dll

126: The specified module could not be found.

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Traceback (most recent call last):

File "C:\Program Files\GeoEco\ArcGISToolbox\Scripts\RandomForestModelPredictFromArcGISRasters.py", line 5, in <module>

ExecuteMethodFromCommandLineAsArcGISTool('GeoEco.Statistics.Modeling', 'RandomForestModel', 'PredictFromArcGISRasters')

File "C:\Python27\lib\site-packages\GeoEco\ArcGISScripts.py", line 210, in ExecuteMethodFromCommandLineAsArcGISTool

exec sourceCode in globals(), locals()

File "<string>", line 1, in <module>

File "C:\Python27\lib\site-packages\GeoEco\Statistics\Modeling.py", line 776, in PredictFromArcGISRasters

\_PredictFromArcGISRasters('randomForest', \_(u'Fit Random Forest Model'), inputModelFile, outputResponseRaster, cutoff, constantPredictors, predictorRasters, templateRaster, ignoreOutOfRangeValues, None, buildPyramids, overwriteExisting)

File "C:\Python27\lib\site-packages\GeoEco\Statistics\Modeling.py", line 1718, in \_PredictFromArcGISRasters

workspace.ImportDatasets(bilFile.QueryDatasets(reportProgress=False), {False: 'Add', True: 'Replace'}[overwriteExisting], reportProgress=False, calculateStatistics=True, buildRAT=True, buildPyramids=buildPyramids)

File "C:\Python27\lib\site-packages\GeoEco\Datasets\\_\_init\_\_.py", line 820, in ImportDatasets

self.\_ImportDatasets(datasets, mode.lower(), reportProgress, options)

File "C:\Python27\lib\site-packages\GeoEco\Datasets\Collections.py", line 694, in \_ImportDatasets

self.\_ImportDatasetsToPath(pathComponentsForPath[path], datasetsForPath[path], mode, progressReporter, options)

File "C:\Python27\lib\site-packages\GeoEco\Datasets\ArcGIS.py", line 609, in \_ImportDatasetsToPath

self.DatasetType.\_ImportDatasetsToPath(os.path.join(self.Path, \*pathComponents), sourceDatasets, mode, progressReporter, options)

File "C:\Python27\lib\site-packages\GeoEco\Datasets\ArcGIS.py", line 1141, in \_ImportDatasetsToPath

GDALDataset.\_ImportDatasetsToPath(tempRaster, sourceDatasets, mode, None, {'useArcGISSpatialReference': True, 'useUnscaledData': useUnscaledData, 'calculateStatistics': False, 'blockSize': blockSize})

File "C:\Python27\lib\site-packages\GeoEco\Datasets\GDAL.py", line 1073, in \_ImportDatasetsToPath

data = sourceDatasets[i].Data[rowsCopied:rowsCopied+rowsToCopy, :]

File "C:\Python27\lib\site-packages\GeoEco\Datasets\\_\_init\_\_.py", line 3670, in \_\_getitem\_\_

return getattr(self.\_Grid(), self.\_GetMethod)(key)

File "C:\Python27\lib\site-packages\GeoEco\Datasets\\_\_init\_\_.py", line 3310, in \_GetUnscaledDataAsArray

data, actualNoDataValue = self.\_ReadNumpyArray(reorderedSliceList)

File "C:\Python27\lib\site-packages\GeoEco\Datasets\GDAL.py", line 1374, in \_ReadNumpyArray

raise RuntimeError(\_(u'Failed to retrieve a block of data of %(win\_xsize)i columns by %(win\_ysize)i rows at offsets x=%(xoff)i, y=%(yoff)i from band %(band)i of %(dn)s with the Geospatial Data Abstraction Library (GDAL). Verify that the dataset exists, is accessible, and has the expected dimensions. Detailed error information: band.ReadAsArray(%(xoff)i, %(yoff)i, %(win\_xsize)i, %(win\_ysize)i) reported %(e)s: %(msg)s.') % {u'band': self.Band, u'dn': self.DisplayName, u'xoff': xoff, u'yoff': yoff, u'win\_xsize': win\_xsize, u'win\_ysize': win\_ysize, u'e': e.\_\_class\_\_.\_\_name\_\_, u'msg': self.\_Unicode(e)})

RuntimeError: Failed to retrieve a block of data of 675 columns by 879 rows at offsets x=0, y=0 from band 1 of band 1 of GDAL dataset "C:\Temp\GeoEcoTemp\_Isabel\tmpnjknfe\temp\_response.bil" with the Geospatial Data Abstraction Library (GDAL). Verify that the dataset exists, is accessible, and has the expected dimensions. Detailed error information: band.ReadAsArray(0, 0, 675, 879) reported RuntimeError: Can't load requested DLL: C:\Program Files (x86)\GDAL\gdalplugins\gdal\_netCDF.dll

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Failed to execute (RandomForestModelPredictFromArcGISRasters).

Failed at Mon Jan 11 16:00:31 2016 (Elapsed Time: 2 minutes 34 seconds)