Maxent Documentation

Here is where you download Maxent and read more about it, with a tutorial included.

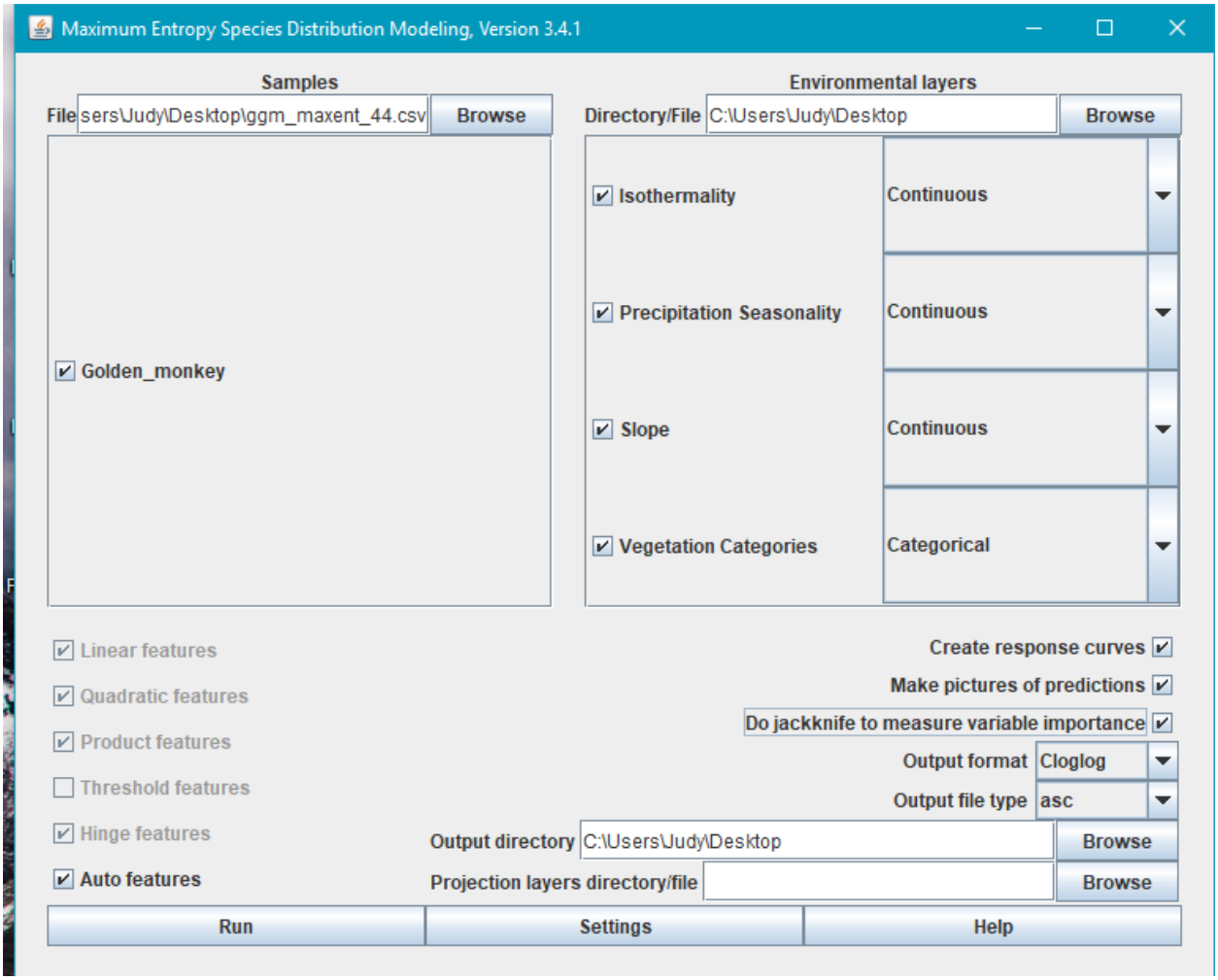
Find Maxent Data.zip in this repository. You will need a password to unlock the GGM sightings (.csv) data; please contact J. Mak (the owner of the Github repository). Otherwise, you may import your own sample file in .csv format that follows this setup:

	A	B	C
1	Golden_monkey	108.7	27.97
2	Golden_monkey	108.7	28
3	Golden_monkey	108.	27.97
4	Golden_monkey	108.	27.97
5	Golden_monkey	108.	27.97
6	Golden_monkey	108.7	27.97
7	Golden_monkey	108.	27.97
8	Golden_monkey	108.	27.97
9	Golden_monkey	108.7	27.97
10	Golden_monkey	108.7	27.97

Column A should have no spaces and feature the name of the animal you are tracking.
Column B should feature the longitude (E) to as many decimal places as possible.
Column C should feature the latitude (N) to as many decimal places as possible.

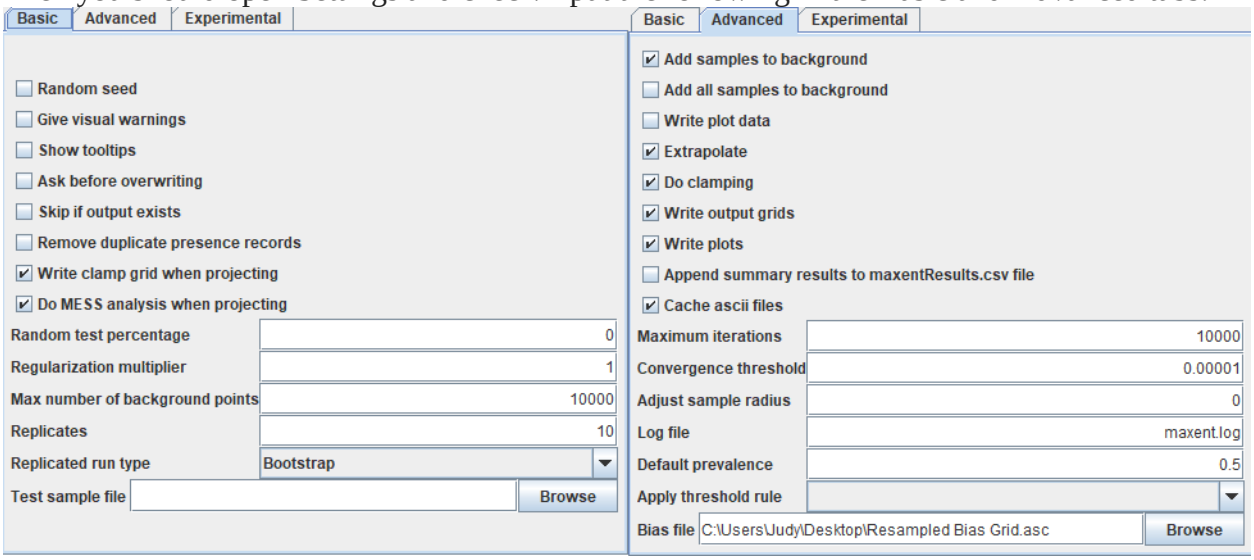
Try to have a minimum of 40 or so values; see my thesis for more details.

Start the Maxent program by clicking the .bat file. Input the attached files as seen in the screenshot on the next page (when adding the .ascs, be sure to select 'All Files' if you can't see them, and don't forget to select Vegetation Categories as 'Categorical'):



*ggm_maxent.csv is a list of sightings we found of golden monkeys through camera trapping. You should either use this or import your own sample file, as detailed in the previous page.

Then you should open Settings and check/input the following in the Basic and Advanced tabs:



After this, you can run the Maxent model, which will generate a few plots and a Golden_monkey.html webpage. Open that webpage to see results; you should get an AUC of about 0.929 as well as an image that looks exactly like Figure 4.2 in my thesis. My thesis has more info on what the results mean as well.