**Cultural traits of interest:**

Ritual: Trance states

Politics: societal rigidity

“religion is the opium of the people”

Atlantic Congo:

314 societies in total

115 data for trance states

19 have no trance states or possession

Austronesian:

1200 societies in total

88 data for trance states

Using society id’s, look in ethnographic atlas (EA folder) in data.csv. If code = NA, no data. So filter this file for society id’s and NA’s and look up variable id’s of corresponding entries in variables.csv in EA folder.

Parts of project (correlated evolution):

* Map trance states to atlantic-congo phylogeny.
* Find other variable and map this as well
* Compare these with statistical test.
* Do separate test on trance states globally using eg mixed effects.

Do separate analysis for within Bantu and global using glottolog tree.

**What is our big question?**

Is the presence of trance states (1) culturally inherited and (2) why is it present in some groups and not in others?

1. Null hypothesis: the occurrence of trance has no phylogenetic signal
2. Alternative Hypothesis: the occurrence of trance does have phylogenetic signal
3. Null hypothesis: the occurrence of trance is not predicted by rainfall
4. Alternative hypothesis: the occurrence of trance is predicted by rainfall.

Plan:

1. Download data
2. Perform this lambda test to check for phylogenetic signal
3. Do correlative test? Which one?
4. For fun: ancestral state reconstruction.