

4/6/23

## Notes on meterRole:

The distr: must sum to ~1 issue seems to be associated with low SO. (which I was getting a lot given a low default speciation rate in the default role settings.)

It seems fairly not-debuggable / am not sure I ym'd even really want to debug it, since I associate A w/ systems where METE may not be super appropriate anyway.

Currently I have a crude bumper on 'apply-over-steps' requiring richness to be  $> 10$

but I could get more nuanced with it by moving that  $\rightarrow$  a tryCatch such that if the meter::sad fn fails (or  $SO == 1$ ) it returns NA.

done 😊

Also just the observation that mostly what I'm seeing looks like z-scores well within a  $\pm 1.96$  window, but w/ some interesting stuff like starting above the mean (??? doesn't, in this context, mean starting w/ an abnormally high correspondence w/ the METE dist?) and then  $\sim 0$ .

that's wild. IDK what that means, necessarily.