(eele blue/black not consistent in) Bayer clars Retrodictive chedes ? 28. January 2028 Next: 2 reasons Step 2 1) Model Retro Day 1/2 (2) Sindata F (1) Check code (R, Stan) -> Review workflow given your data (2) understand your model 3) Prior PC Class tells me >> 4) Real data Also, it's a little toy model of your -(5) petro PC biological system. Yes. It should be that useful? ASK Class: Examples where would change how you approach your model or inferne:

(or, where you might make/see big changes between how

you simulate for Reason I vs. Z)

n You may see these un-evenness in data also at step 4 confounded grouping factors (study 10, spp.) (when your model fails) but a) you med &tm. data to diagnose this Retrodictive cheeks are the last way in our workfin to diagnose of fix model problems 6) you will get better at seeing tuess @ Step Z (mis-specification) w) practice. We looked at a hint of a retrodictive check last time: Group parameter posteriors by other factors not (yet?) in your model. Now we'll do sme 'paper' retrodictive (PPC) checks & But nothing is spelled out in how you do Bayosian ? Recal from Step Z! I set parameters: g; = d + B; g; v normal (4; 5) vot model fit to empirical data. MODEL OUT PUT Sets your values For Step 5, you DRAW THESE FROM POSTERIORS (or could take pt. estimates but why do that? d A B LAIR OS AS Draw a semple of all parameters from one & then, everything else your simulated data. GAN be the same from from your model

in hierardii cal > retroclicelesstart. R

After this exercise could discuss LATTR Retro Day 2/2

When might you change from your simulated data?

- more in for netrodictive checks we strick

- forecastry will data structure similar to ours in wodel But we can do these tamps

What model output (Layknan etcl. 2024)

Could ask : Is me draw enough? What else could we do?] 28 January 2025 But me draw from your posterior is NOT a good representation of a posterior. You need to draw from your posterior semples (grab multiple iterations). -> Once you do this you can't just look at your me new Yrep You need summaries usually. Shiny Stan gives Tymean ? Useful?
Which ones are relevant?

Which ones are relevant?

Your Stan gives Tymean ? Useful?

Your Depends on guestim. Ask Class? Other options => Returning to workflow: Things you often see may be wrong in notrodictine cheker: - Wrong error (ordinal or such instead of Gaussia) gi ~ normal (g, og) Side Note: You want see - Missing grouping factors When study of sp. Wier. Street. is way w/out specific retrodictive Checks to look at. -> Or just company data to exmats from no pool models. (at end of retrocheeks) Now, return to LATER at top of page)