Liaos proposal defense, April 22, 2024

- 1 Look at the computer, not the projector screen
- 2 Look more often to the crowd
- 3 We must have time to read everything on the slides 4 Everything on the slides must be readable
- 5 Predict law brightness and low contrast projectors
 6 Number of publications (printed, submitted, in review, in prep.)
 Ly include expected & highlight author positions
- 7 Cx. or C.? See notes on email (scheduled) 8 I was hard for me to identify the hypotheses
- 9 Careful with captalization > must be consistent by for example, Fig. 2 on APAP-KDB
- 10 Needs to work on narrative by tell them what you will tell them, fell them, an them tell them what you told them
- 11 Focus on what you learned at least as much as what you did
- 12 Practice leads to perfection
- 13 ANOVA -> what are the assumptions and how did you check!
- 14 Cr. Larsalus -> we must falk about taxonomic nomen dature
- 15 Pop. Struc. → How can sample bias impact your analysis?
- 16 Whenever possible, write tables in scientific style Ly For example, see AMOVA table
- 17 Was there any hope for IBD&IBE not to show isolation?
- 18 To use only PCI for the env. data for GEA/LFMM, should'nt PCI by high? What would be a reasonable threshould.
- 19 P-values -> What do you know about the <u>f-value crisis?</u>
 Ly Why is it better not to use ****?
- 20 RDA, table remind me how to read it in terms of explanation.
- 21 What does a significant f-value means to you?

 Is flave you read Fisher (1925, 1926)?
- 22 Does it make sense to run pop. struct. analysis in groups that do not form sister clades?
- 23- SNPs-> does gene annotation & MSA matters!
- La What was the method for annotation & alignment? 24 At 30 min, I am worned you should take a breath/water
- 25 What have we learned about the predictability of env. data for this & other mosquitos in different countries were arboviruses are endemic?
- 26 Are horses and humans the only mammads that to sted positive for WNV so far? Why?
- 27- Could you see very abrupt changes / easily observable clusters when preparing Env. & Dem. data?
 28- Can Random Forests automatically bandle missing values?
- 29 Heat maps > non-parametric. PCA > parametric. Why?
- 30- In PCAs, how did you found the variables associated with each component?

 - 31 Why isn't sample bias a Mallenge for preliminary data
 32 How does a change from national to state models help with sample bias?
 - 33- A binary prediction requires a threshould & 2 groups. Is that fair to represent your problem? Why?

 34- What does it mean that the baseline model always predict the mean value?

 - 35-flow do you see your research potentially being used to convince politics to invest on collecting certain data (basic research)?
 - The talk took 50 minutes with no powses or interactions with the audience.