Rmarkdown files

Appendix\_one Rmd file:

**This looks correct, it is commented out so not sure what the plan is. Do we want the cluster robust SEs with the models?**

<!--

## Cluster Robust Standard Errors and Models with No Random Effects

Apply cluster robust standard errors to models without random effects!!! To be expopounded upon later by Laura

```{r fixest}

library(fixest)

fixest\_df <- analysis\_df %>%

group\_by(sims) %>%

slice(1L) %>%

ungroup() %>%

select(sims, sites, site\_year) %>%

mutate(fixest\_fit = map(site\_year,

~feols(snails ~ plot\_temp | site,

cluster = "site",

data = .x)),

first\_diff\_fit = map(site\_year,

~feols(delta\_snails ~ delta\_temp,

cluster = "site",

data = .x))

) %>%

pivot\_longer(cols = c(fixest\_fit, first\_diff\_fit),

names\_to = "model\_type",

values\_to = "fit") %>%

mutate(coefs = map(fit, tidy))

```

**Appendix B: Implementing OVB Model Methods in R**

Rmd file isn’t in the git !!!

Edits in red –

Heading of the section:

**Cluster-Robust Standard Errors**

type = "HC0" I don’t think this code is for huber-white aka robust or for heteroskedasticity). I think that is "**HC1" or “hetero” or “white”**

SEE https://cran.r-project.org/web/packages/fixest/vignettes/standard\_errors.html

Corrections

# Huber-White SE with site-level clustering via the ‘Sandwich’ package in R (ADD VERSION BC THEY HAVE CHANGED THE CODES FOR TYPE = \*\*\*)

coeftest(mod\_fe, vcov = vcovCL(mod\_fe,

cluster = ~ site,

type = "HC1")) |>

tidy() |>

filter(term == "temp")

DID YOU WANT A VERSION WITH JUST ROBUST AND NO CLUSTERING? THAT WOULD BE DROPPING THE CLUSTER IN THE ABOVE

# Using fixest for Huber-White correction and site-level clustering with feols

feols(snails ~ temp | site,

vcov = "cluster",

data = dat) |>

tidy()