**Metadata and Github Repository**

Github repository with code and data:

<https://github.com/gjknowlton/sapelo_2022.git>

**Description of data:**

Covariates\_all.csv

* Provided here is a long-format dataset that includes each covariate at all of the quadrat sites
* Dune height and transect length are in meters; same with distance to dune and distance to strand
* Specific conductance is measured as mS/cm. This is converted in the R script to Practical Salinity Units
* Percent OM and Percent soil moisture were calculated to be proportions based on the raw weight data.

Diversity\_calcs\_data.csv

* wide format data that is needed for the ‘vegan’ package to calculate Shannon diversity indices.
* Refer to the plant\_sp key for species names

Plant\_communities.xlsx

* this data set provides the number of occurences per species summed by transect

Total\_pct\_cover

* this data set is the same as the diversity calcs data frame, however, I did take field measurements that included percent cover. I didn’t end up using that data for any of my analyses.

Plant\_sp

* Key for all species that were observed during 2022 surveys
* Schmidt (2021) provided a key that was helpful in plant identification