**3. nmds.Rmd**

**Processed Data:**

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| tree\_probs | See processed data folder. |
| trees | Contains all the tree ids, filtered out LURA, SCHY and ‘random’ species. |

**vegdist() matrices:**

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| obs | Observed dissimilarity vegdist() matrix. |
| pop1 | Population 1 median dissimilarity vegdist() matrix. |
| pop3 | Population 3 median dissimilarity vegdist() matrix. |
| pop1\_diff | (observed – pop 1) dissimiliarty matrix. |
| pop3\_diff | (observed – pop 3) dissimiliarty matrix. |
| abudance\_matrix | Species abundance matrix for the observed population. Rows are plots, columns are species. |

**metaMDS():**

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| obs\_nmds | metaMDS() on vegdist(). |
| obs\_nmds2 | metaMDS() on species abundance matrix. |
| mangrove.env | Environmental data. Rows are plots, column(s) is environmental gradient(s). The only environmental gradient as of 30/7/21 is median elevation. |
| ef | This object contains the envfit() function which joins environment data to the nmds output obs\_nmds2. |

**NMDS plots:**

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| --- | --- |
| site.scrs | Contains the NMDS (x,y) coordinates by plot number. Meant for ggplot2 plotting. |
| spp.scrs | Contains the NMDS (x,y) coordinates by species. Meant for ggplot2 plotting. |
| p1 | Full NMDS plot, complete with plot, species, ordination arrows. |
| p2 | NMDS with plots only. |
| p3 | NMDS with species only. |
| p4 | NMDS with species and arrows. |