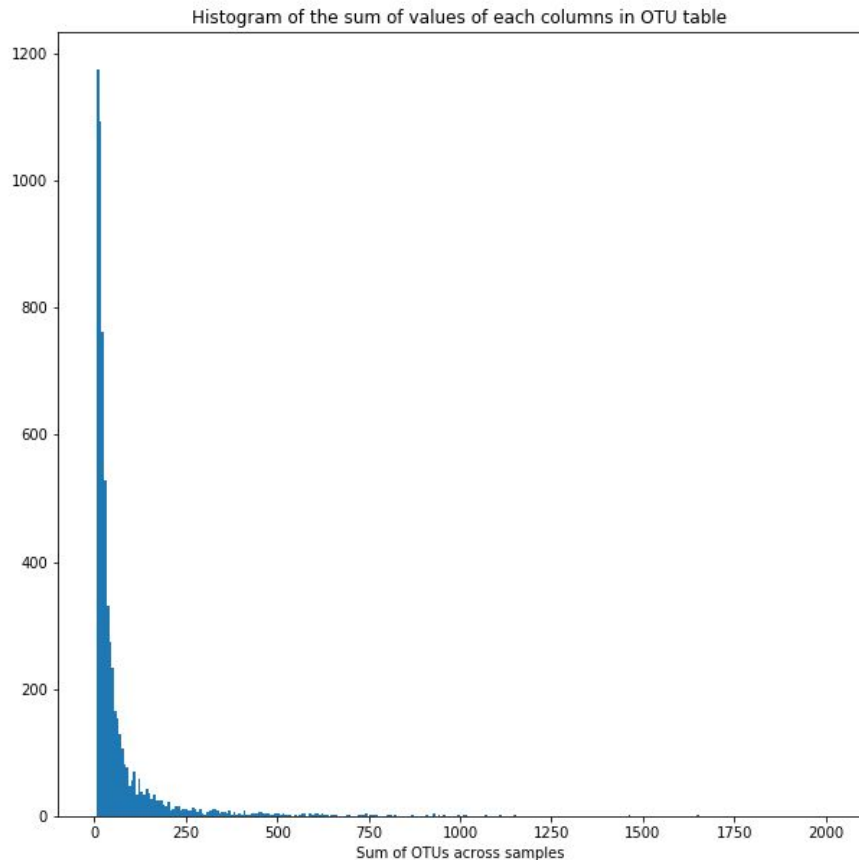


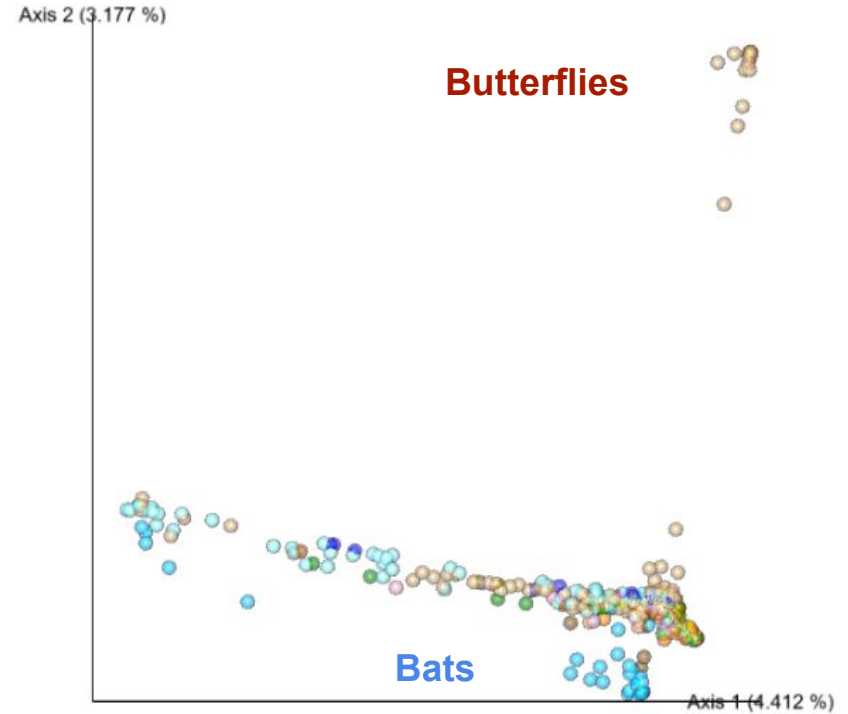
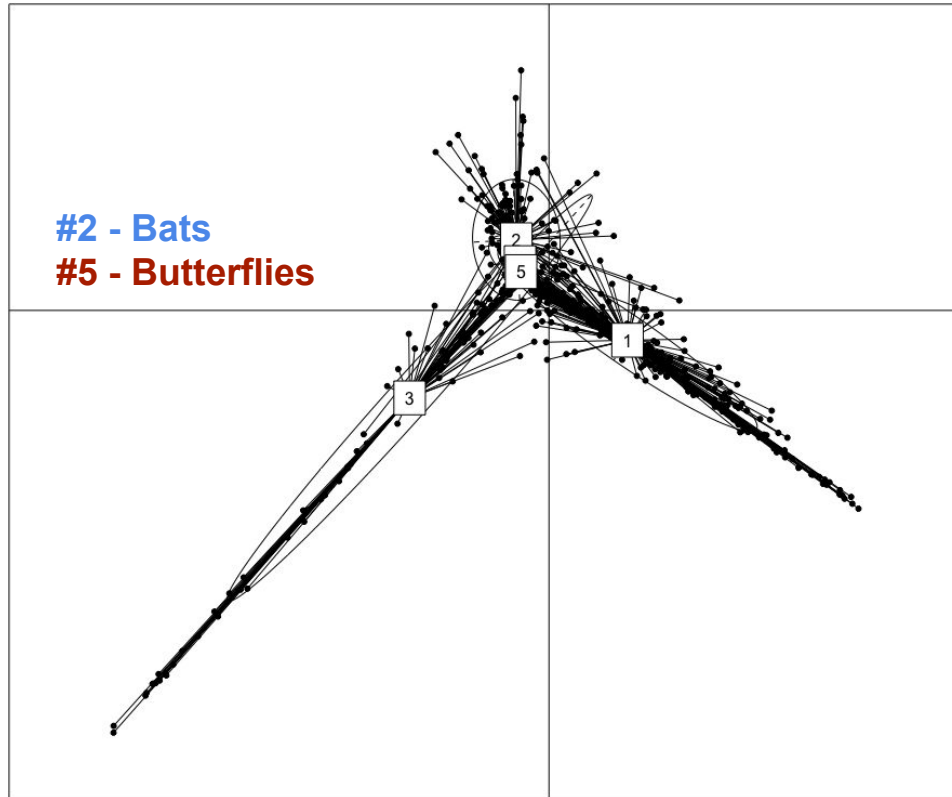
# Second Day Progress

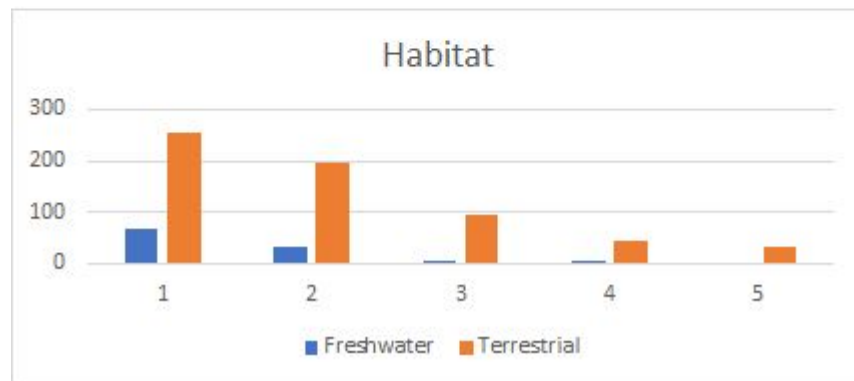
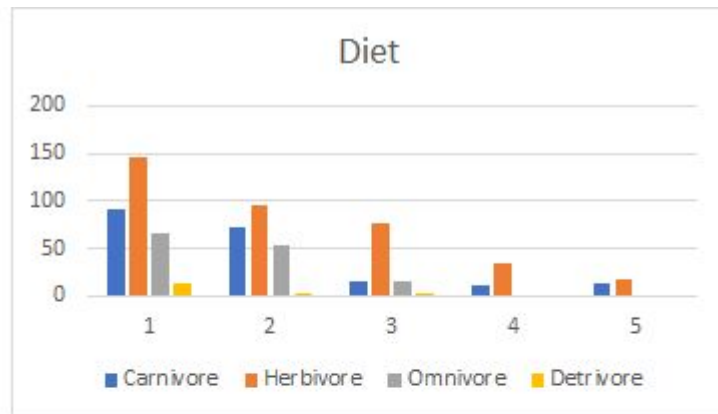
# Feature Selection

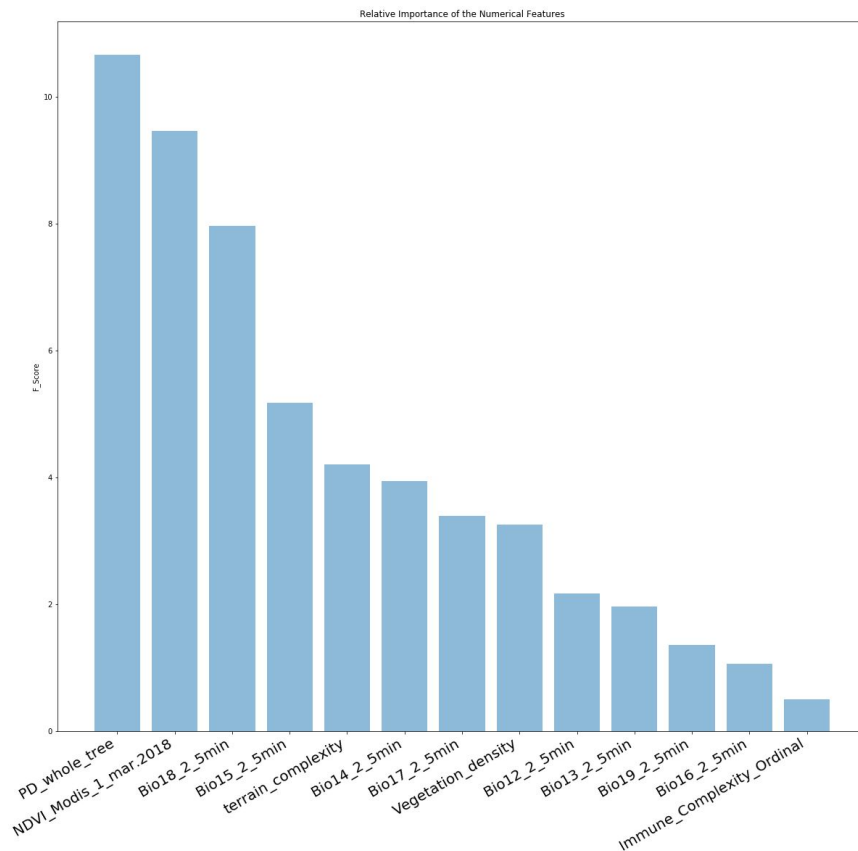


After filtering OTU  $\geq 10$  total counts across samples, the number of OTUs reduced from 17,544 to **6,258**

Clustering with based on relative genus abundances using *JSD distance* and the *Partitioning Around Medoids (PAM)* clustering algorithm







	Feat_names	F_Scores	PValue
0	PD_whole_tree	10.658016	0.000001
11	NDVI_Modis_1_mar.2018	9.467104	0.000006
7	Bio18_2_5min	7.970164	0.000042
4	Bio15_2_5min	5.181366	0.001708
10	terrain_complexity	4.207909	0.006265
3	Bio14_2_5min	3.938654	0.008969
6	Bio17_2_5min	3.390255	0.018584
9	Vegetation_density	3.259138	0.022106
1	Bio12_2_5min	2.175193	0.091328
2	Bio13_2_5min	1.968573	0.119065
8	Bio19_2_5min	1.359422	0.255624
5	Bio16_2_5min	1.066588	0.363757
12	Immune_Complexity_Ordinal	0.499993	0.682604