**Load clean NHANES as of 12/23/2022**

# QC-ed mean totals across all days.

write.table(QCtotals\_demo, "Total\_D12\_FC\_QC\_mean\_QC\_demo.txt", sep="\t", quote=F, row.names=F)

Total\_D12\_FC\_QC\_mean\_QC\_demo.txt

|

add metadata, GLU\_index etc. (04\_add\_meta\_GLU\_index\_NHANES.R)

|

QCtotal\_d\_ga\_body\_meta\_glu\_comp\_2.txt dim: 1625 x 266

|

Subset males in their 60-79.

|

QCtotal\_d\_ga\_body\_meta\_glu\_comp\_2\_males60to79.txt 237 x 266

|

|🡪 prep for PCA 🡪

| QCtotal\_d\_ga\_body\_meta\_glu\_comp\_2\_males60to79\_c\_Cat.txt

| QCtotal\_d\_ga\_body\_meta\_glu\_comp\_2\_males60to79\_c\_Cat\_rv.txt

| QCtotal\_d\_ga\_body\_meta\_glu\_comp\_2\_males60to79\_c\_Cat\_corr\_mat.txt

| 🡪 PCA, k-means.

|

|🡪 use the individuals in this data to build a food tree. 🡪

| Filter the 4401 individuals in Food\_D12\_FC\_cc\_f.txt to select only those 237 people in

| Food\_D12\_FC\_cc\_f\_males60to79.txt.

| Food\_D12\_FC\_cc\_f\_males60to79\_red.txt 1274 x 6;

| Food\_D12\_FC\_cc\_f\_males60to79.txt was replaced with

| Food\_D12\_FC\_cc\_f**\_s**\_males60to79.txt. – no, maybe this is old..

Use Food\_D12\_FC\_QC\_demo\_QCed.txt (generated at the end of load\_clean) as the input.

|

At the end of the load\_clean,

Food\_D12\_FC\_QC\_demo\_QCed.txt has QC-totaled individuals.

Food\_D12\_FC\_QC\_demo\_QCed.txt

What is the difference between these two? What does “\_s” stand for?

# The total for each of the "QC-ed" individuals for each day, if you would

# like to perform clustering analyses with Day 1 and Day 2 separately.

write.table(total12d\_demo\_QCed, "Total\_D12\_FC\_QC\_eachday\_demo\_QCed.txt", sep="\t", quote=F, row.names=F)

# The items for each of the "QC-ed" individuals for each day, to be

# used for ordination etc.

write.table(food12d\_demo\_QCed, "Food\_D12\_FC\_QC\_demo\_QCed.txt", sep="\t", quote=F, row.names=F)

Variable names!

|  |  |  |
| --- | --- | --- |
|  | Start -- | -- End |
| ASA24 | (FoodAmt) | B12\_ADD |
|  | F\_TOTAL | A\_DRINKS |
| NHANES | (GRMS) | DR1IP226 |
|  | F\_CITMLB | A\_DRINKS |