Code cleaning notes and process MRB beginning 2020-06-30

01_data_cleaning.R

Doing:

To do:

- Can the commented out code under `# Make wide version of periphyton using proportion data` be removed?
- Could consider making all cleaned dataset names lowercase (some are, not all)

Done:

- Changed `filter(Sample_ID ==...)` chain to a single `filter(Sample_ID %in% ...)`
- Changed `filter(Station == ...)` chain to a single `filter(Station %in% ...)`
- Linting

02_sewage_indicator_analysis.R

Doing:

To do:

- The comment at the top of the script is incomplete

Done:

- Edited some formatting (spacing)
- Changed to include `"stringsAsFactors" = FALSE` in the `read.csv()` statements. Wasn't a huge issue, but I get nervous when joins start leaving messages that factor levels aren't matching and are being automatically reformatted into strings.
- Linting

03_community_composition_analysis.R

Doing:

To do:

Done:

- Changed comment at the top of the script to have a single hashtag
- Changed to include `"stringsAsFactors" = FALSE` in the `read.csv()` statements, mostly for consistency with other scripts.
- Some formatting changes
- Added `ggpubr` to library calls for the `ggarrange()` at the end of the script
- Removed commented out code from `periphyton_IDW_pop_group_plot` call
- Linting

04_fatty_acid_analysis.R

Doing:

To do:

- Does the "Drapa" replacement in the EFA data_scores have an accidental space before it? (" Drapa spp.")

Done:

- Some formatting changes
- Changed to include `"stringsAsFactors" = FALSE` in the `read.csv()` statements, mostly for consistency with other scripts.
- Specified `by = c("Site")` for the ppcp_meta_dist `full_join` and fatty_acid_ppcp_meta_dist `inner_join`
- Removed the comment `# add the site labels` from the nmds `ggplot` call. Seemed like it was referring to an old version of the code, but I may have misunderstood.
- Changed `mean_var` definition to include naming inside the function call so avoid the next two lines of renaming
- I translated the code chunk for all data_scores into mutates
- Filled in some function arguments
- Converted peri_ppcp_lm and invert_ppcp_lm to `filter()`
- Linting

05_table_formatting.R

Doing:

To do:

- Consider shortening names like Categorical_distance_weighted_population (I think the style guide says something ~30 characters max)

Done:

- Some formatting changes
- Changed to include `"stringsAsFactors" = FALSE` in the `read.csv()` statements, mostly for consistency with other scripts.
- Filled out function args and `by` for `full_join`s at end of script

06_map_making.R

Doing:

To do:

- Might need to cite the map imagery in order to use it. I can't remember what the guidelines are for this (i.e., how, where, etc.), but I know it's something that comes up with map imagery in these packages sometimes.

Done:

- Some formatting changes
- Changed to include `"stringsAsFactors" = FALSE` in the `read.csv()` statements, mostly for consistency with other scripts.
- Added some additional in-line comments
- Linting

07_inverse_distance_weighted_calculation.R

Doing:

To do:

- There are some warnings from `st_centroid`. Just want to make sure that these don't impact the accuracy of anything.

Done:

- Some formatting changes
- Changed to include `"stringsAsFactors" = FALSE` in the `read.csv()` statements, mostly for consistency w ith other scripts.
- Replaced the line `as_tibble()` in loc_areas w ith `enframe(name = NULL)` per tidyverse w arning
- Filled in some function arguments
- Added section breaks
- Specified `by = c("Site")` for `full_join` in loc_shoreline…
- Removed quotes in `rename` calls
- Removed commented out code in locs_centroids
- Linting

panel_cor_function.R

Doing:

To do:

- If this came from an external source (e.g. Stackoverflow), should link to this in the script probably

Done:

- Some formatting changes
- Added a comment to the top of the script
- Linting