Summary Graphs of NUTR630 Post-Semester Feedback

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<pre>library(readr) onboarding.filename <- 'https://docs.google.com/spreadsheets/d/e/2PACX-1vQI-b1A4Zd-gx3l onboarding.data <- read_csv(onboarding.filename)</pre>	FuY31kKbWEOzKUfn
<pre>end.filename <- 'https://docs.google.com/spreadsheets/d/e/2PACX-1vTxPKhKOwkZ18U1X0Z44M8 end.data <- read_csv(end.filename)</pre>	3wGqtM5ow18tVPF4
merged.data <- full_join(onboarding.data,end.data, by='Email Address', suffix=c("before	e","after"))

These data can be found in /Users/davebrid/Documents/GitHub/TeachingLectures/Michigan/NUTR630/Evaluation/GradeCrasummary/Student Feedback/Post-Semester. This script was most recently updated on Wed Jan 31 17:41:34 2018.

Analysis

Interests

Learning Activities

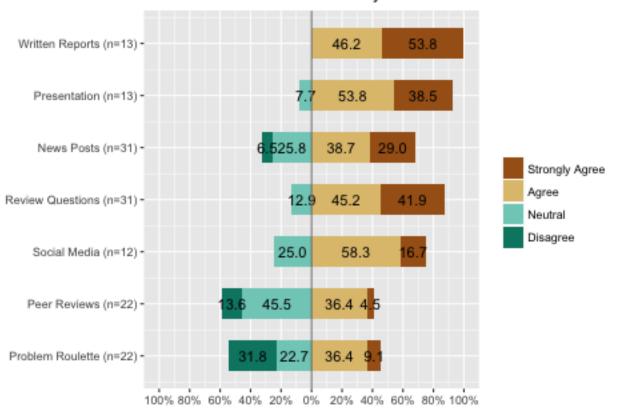
Thoughts about whether they learned a lot from the activity

```
library(dplyr)

mylevels <- c('Strongly Agree', 'Agree', 'Neutral', 'Disagree', 'Strongly Disagree')

activity.data <-
  end.data %>%
  dplyr::select(contains("learned")) %>%
  rename(`Written Reports` = `Select one in reference to written reports [I learned a lot from this act
  `Presentation` = `Select one in reference to your presentation [I learned a lot from this acti
  `Peer Reviews` = `Select one answer in reference to the peer reviews [I learned a lot from this
```

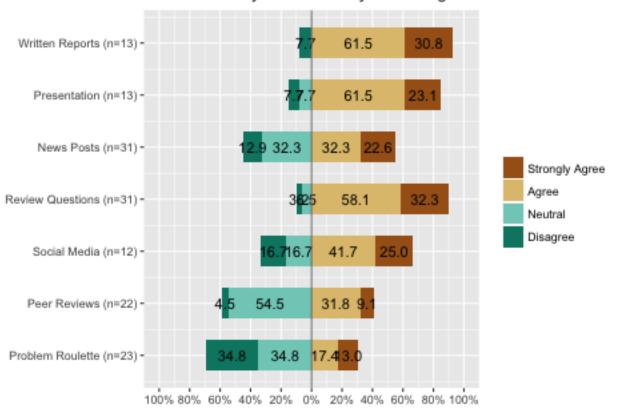
I learned a lot from this activity



Thoughts about whether these assesed knowledge

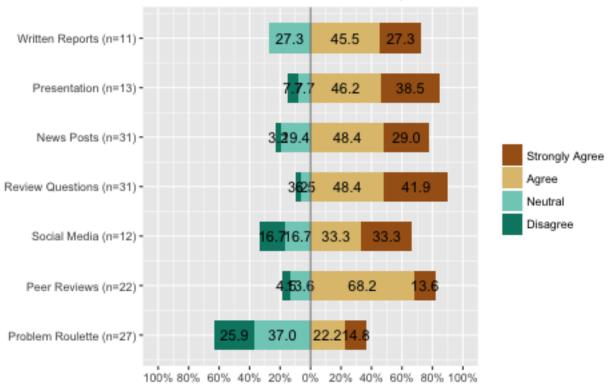
```
assessed.data <-
end.data %>%
dplyr::select(contains("assessed")) %>%
rename(`Written Reports` = `Select one in reference to written reports [This effectively assessed my k
`Presentation` = `Select one in reference to your presentation [This effectively assessed my k
`Peer Reviews` = `Select one answer in reference to the peer reviews [This effectively assesses
`Social Media` = `Select one in reference to the social media assignments [This effectively as
```

This effectively assessed my knowledge



Thoughts as to whether it was worth an ppropriate amount of points

This was worth an appropriate amount of points based on the amount of effort required



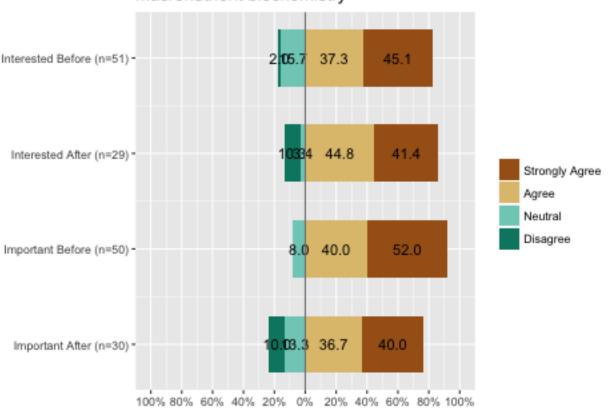
Changes over the semester

Interests and Aptitudes

```
merged.data[merged.data==1] <-'Strongly Agree'
merged.data[merged.data==2] <-'Agree'
merged.data[merged.data==3] <-'Neutral'
merged.data[merged.data==4] <-'Disagree'
merged.data[merged.data==5] <-'Strongly Disagree'

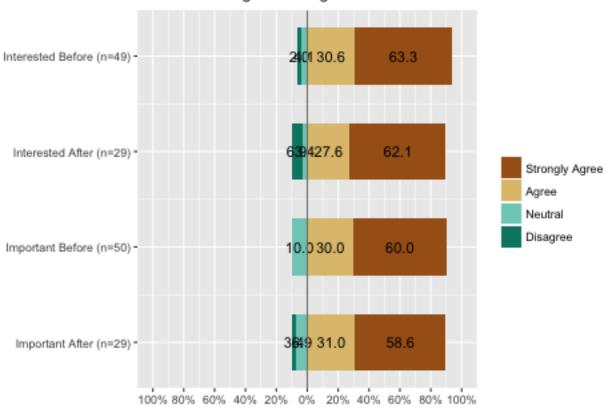
macronutritent.aptitude.data <--</pre>
```

Macronutrient biochemistry



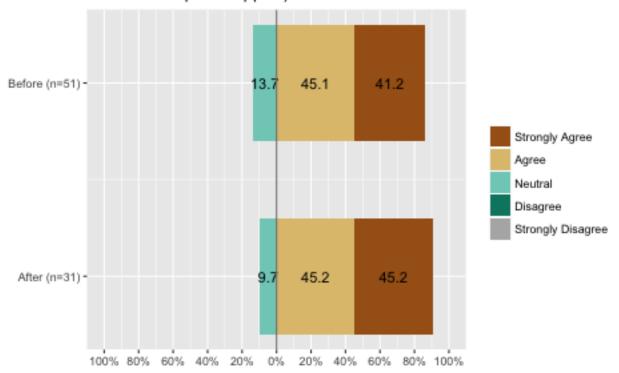
sjp.likert(digestive.aptitude.data[,col.order], title="Understanding of the digestive tract")

Understanding of the digestive tract

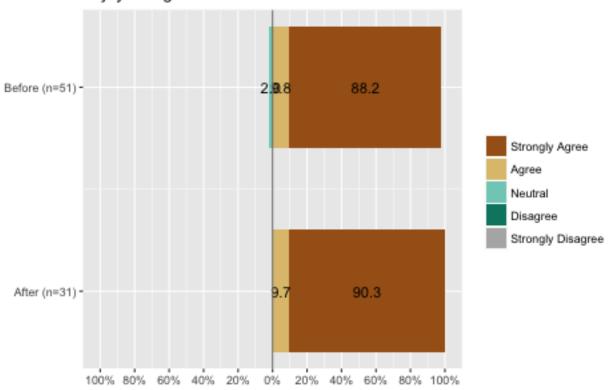


Metacognition

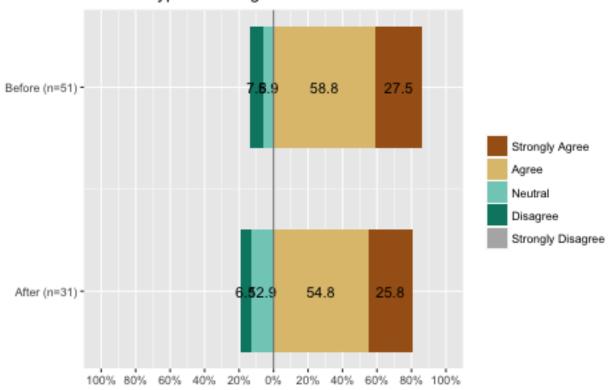
When given an assignment to complete, I produce better outcomes with a community of support (i.e., instructor or peer support)



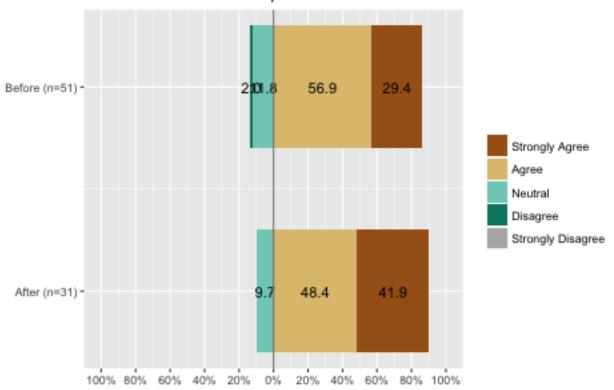
I am motivated to complete an assignment if I enjoy doing it.



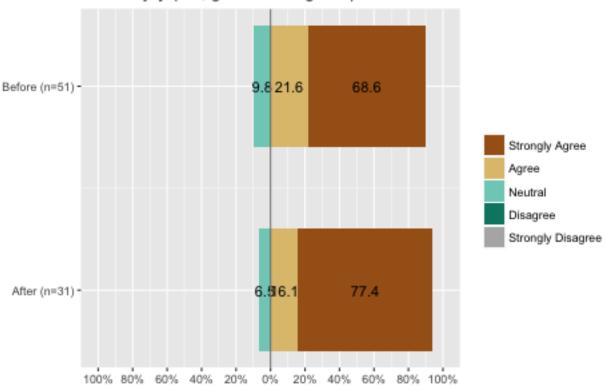
I am aware of the skills I develop when I complete different types of assignments.



When a difficult assignment is given to me, I feel confident that I can complete it



I perform better when completing an assignment that I enjoy (i.e., get a better grade).



Session Information

```
sessionInfo()
```

```
## R version 3.4.2 (2017-09-28)
## Platform: x86_64-apple-darwin15.6.0 (64-bit)
## Running under: macOS High Sierra 10.13.3
## Matrix products: default
## BLAS: /Library/Frameworks/R.framework/Versions/3.4/Resources/lib/libRblas.0.dylib
## LAPACK: /Library/Frameworks/R.framework/Versions/3.4/Resources/lib/libRlapack.dylib
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
## attached base packages:
                graphics grDevices utils datasets methods
## [1] stats
                                                                   base
##
## other attached packages:
## [1] sjPlot_2.4.0 bindrcpp_0.2 readr_1.1.1 dplyr_0.7.4 tidyr_0.7.2
## [6] knitr_1.17
## loaded via a namespace (and not attached):
## [1] nlme_3.1-131
                          RColorBrewer_1.1-2 rprojroot_1.2
```

##	[4]	tools_3.4.2	TMB_1.7.12	backports_1.1.1
##	[7]	R6_2.2.2	sjlabelled_1.0.6	DT_0.3
##	[10]	lazyeval_0.2.1	colorspace_1.3-2	nnet_7.3-12
##	[13]	tidyselect_0.2.3	mnormt_1.5-5	emmeans_1.1
##	[16]	curl_3.0	compiler_3.4.2	cli_1.0.0
##	[19]	sandwich_2.4-0	effects_4.0-0	scales_0.5.0
##	[22]	<pre>lmtest_0.9-35</pre>	mvtnorm_1.0-7	psych_1.7.8
##	[25]	blme_1.0-4	stringr_1.2.0	digest_0.6.12
##	[28]	foreign_0.8-69	minqa_1.2.4	rmarkdown_1.8
##	[31]	$stringdist_0.9.4.6$	pkgconfig_2.0.1	htmltools_0.3.6
##	[34]	lme4_1.1-14	pwr_1.2-1	htmlwidgets_1.0
##	[37]	rlang_0.1.4	rstudioapi_0.7	shiny_1.0.5
##	[40]	bindr_0.1	zoo_1.8-1	magrittr_1.5
##	[43]	modeltools_0.2-21	bayesplot_1.4.0	Matrix_1.2-12
##	[46]	Rcpp_0.12.14	munsell_0.4.3	abind_1.4-5
##	[49]	<pre>prediction_0.2.0</pre>	stringi_1.1.6	multcomp_1.4-8
##	[52]	yaml_2.1.15	merTools_0.3.0	snakecase_0.8.1
##	[55]	carData_3.0-0	MASS_7.3-47	plyr_1.8.4
##	[58]	grid_3.4.2	parallel_3.4.2	sjmisc_2.6.3
##	[61]	forcats_0.2.0	crayon_1.3.4	lattice_0.20-35
##		ggeffects_0.3.1	haven_1.1.0	splines_3.4.2
##	[67]	sjstats_0.14.0	hms_0.4.0	estimability_1.2
##	[70]	reshape2_1.4.2	codetools_0.2-15	stats4_3.4.2
##	[73]	glue_1.2.0	evaluate_0.10.1	modelr_0.1.1
##	[76]	httpuv_1.3.5	nloptr_1.0.4	gtable_0.2.0
##	[79]	purrr_0.2.4	assertthat_0.2.0	ggplot2_2.2.1
##	[82]	mime_0.5	coin_1.2-2	xtable_1.8-2
##	[85]	broom_0.4.3	survey_3.32-1	coda_0.19-1
##		survival_2.41-3	tibble_1.3.4	arm_1.9-3
##	[91]	glmmTMB_0.2.0	TH.data_1.0-8	