Timing of Evaluations

Dave Bridges
July 17, 2018

Contents

Se	Session Information 5									
	Points Earned Over Time	3								
	Assignments Graded Over Time	1								
	Data Import	1								

Data Import

Exported Assignment Type Summaries from GradeCraft and imported.

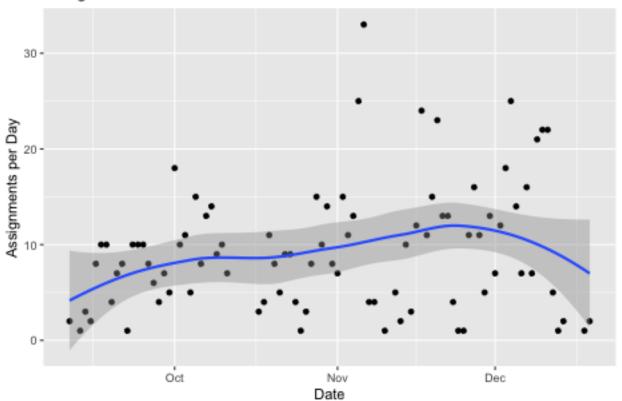
```
library(readr)
library(dplyr)
library(tidyr)
datafile <- 'Principles of Nutritional Sciences Submissions - 2018-07-17.csv'
library(readr)
dataset <- read_csv(datafile, col_types=</pre>
                       cols(`Assignment Type` = col_factor(levels=NULL)))
dropped.students <- c('dave.bridges', 'ajian', 'zhongyli')</pre>
dataset <- separate(dataset, `Updated At`, sep=",", into=c('Day','Date','Time'))</pre>
library(lubridate)
#converted dates
dataset$Date.Year <- paste(dataset$Date, ', 2017', sep="")</pre>
dataset$Date.Year <- mdy(dataset$Date.Year)</pre>
#calculated cumulative sum of scores by date
sum.scores <-</pre>
  dataset %>%
  group_by(Date.Year) %>%
  summarize(Points.Awarded = sum(Score),
             Assignments.Graded = length(Score)) %>%
  mutate(Total.Points = cumsum(Points.Awarded))
```

Assignments Graded Over Time

```
library(ggplot2)

ggplot(sum.scores, aes(y=Assignments.Graded,x=Date.Year)) +
   geom_point() +
   geom_smooth() +
```

Assignments Graded Over the Semester

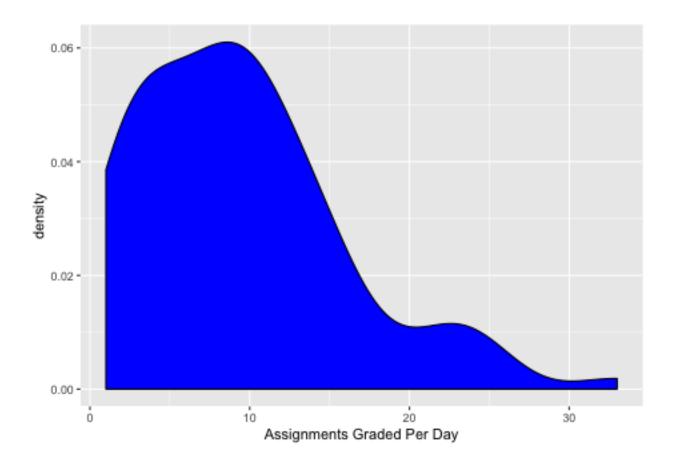


summary(sum.scores\$Assignments.Graded) %>% broom::tidy() %>% kable(caption="Summary Statistics for Assignments.graded)

Table 1: Summary Statistics for Assignments Graded Per Day

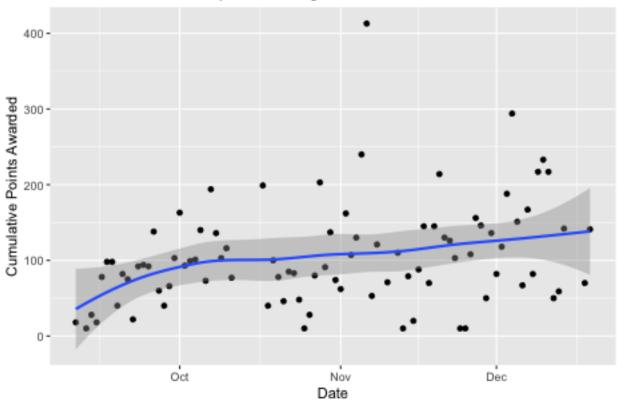
minimum	q1	median	mean	q3	maximum
1	4	8	9.39	13	33

```
ggplot(sum.scores, aes(x=Assignments.Graded)) +
  geom_density(fill='blue') +
  labs(x="Assignments Graded Per Day")
```

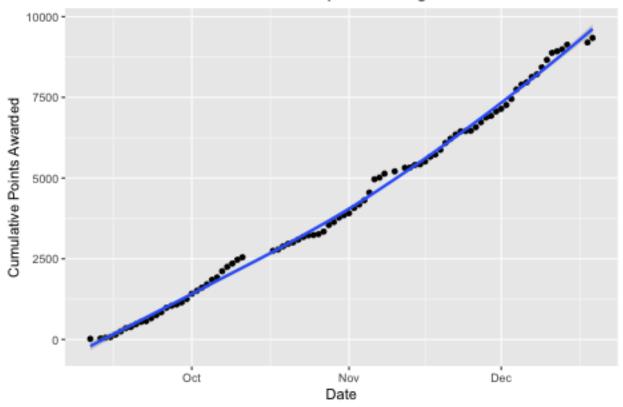


Points Earned Over Time

Points Earned from Optional Assignments Over the Semester



Cumulative Points Earned from Optional Assignments



Session Information

```
sessionInfo()
```

```
## R version 3.5.0 (2018-04-23)
## Platform: x86_64-apple-darwin15.6.0 (64-bit)
## Running under: macOS High Sierra 10.13.5
##
## Matrix products: default
## BLAS: /Library/Frameworks/R.framework/Versions/3.5/Resources/lib/libRblas.0.dylib
## LAPACK: /Library/Frameworks/R.framework/Versions/3.5/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
## [1] stats
                                              datasets methods
                                                                   base
##
## other attached packages:
## [1] ggplot2_3.0.0
                      bindrcpp_0.2.2 lubridate_1.7.4 tidyr_0.8.1
## [5] dplyr_0.7.6
                      readr_1.1.1
                                       knitr_1.20
## loaded via a namespace (and not attached):
## [1] Rcpp_0.12.17
                        highr_0.7
                                         pillar_1.2.3
                                                          compiler_3.5.0
```

##	[5]	plyr_1.8.4	bindr_0.1.1	tools_3.5.0	digest_0.6.15
##	[9]	evaluate_0.10.1	tibble_1.4.2	gtable_0.2.0	nlme_3.1-137
##	[13]	lattice_0.20-35	pkgconfig_2.0.1	rlang_0.2.1	psych_1.8.4
##	[17]	parallel_3.5.0	yaml_2.1.19	withr_2.1.2	stringr_1.3.1
##	[21]	$hms_0.4.2$	rprojroot_1.3-2	grid_3.5.0	tidyselect_0.2.4
##	[25]	glue_1.2.0	R6_2.2.2	foreign_0.8-70	rmarkdown_1.10
##	[29]	reshape2_1.4.3	purrr_0.2.5	magrittr_1.5	backports_1.1.2
##	[33]	scales_0.5.0	htmltools_0.3.6	mnormt_1.5-5	${\tt assertthat_0.2.0}$
		<pre>colorspace_1.3-2</pre>	labeling_0.3	stringi_1.2.3	lazyeval_0.2.1
##	[41]	munsell_0.5.0	broom_0.4.5		