

STAT 344 Group Project (Part I)

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Reading in Data

```
all_data_files = list.files("data")
all_df = read.csv(paste0("data/", all_data_files[1]))

for (i in 2 : length(all_data_files)) {
  all_df = rbind(all_df, read.csv(paste0("data/", all_data_files[i])))
}

filtered_df = all_df %>% filter(Section == "OVERALL") %>%
  mutate(CourseNum = ifelse(
    is.na(Detail), Course, paste0(Course, Detail)
  )) %>%
  select(-Campus, -Year, -Session, -Section, -Professor, -Course, -Detail)

filtered_df %>% slice(1:10)
```

##	Subject										Title Enrolled	
## 1	AANB										Topics in Animal Welfare	11
## 2	ACAM										Asian Canadians in Popular Culture	50
## 3	ACAM										Dis/Orienting Asian Canada	48
## 4	ACAM										Selected Topics in ACAM Studies	53
## 5	ACAM										Selected Topics in ACAM Studies	12
## 6	ACAM										Asian Canadian Community-Based Media	18
## 7	ACAM Directed Studies in Asian Canadian and Asian Migration											9
## 8	ADHE										Teaching Adults	164
## 9	ADHE										Institutions of Adult Education	142
## 10	ADHE										Developing Short Courses, Workshops and Seminars	166
##	Avg	Std.dev	High	Low	X.50	X50.54	X55.59	X60.63	X64.67	X68.71	X72.75	
## 1	92.72727	2.611165	95	90	0	0	0	0	0	0	0	
## 2	77.96000	10.604119	93	46	1	2	1	1	2	2	5	
## 3	77.60417	17.594414	91	5	3	1	0	0	1	1	3	
## 4	80.24528	13.027937	92	8	1	1	1	0	0	4	5	
## 5	80.91667	3.553701	86	75	0	0	0	0	0	0	2	
## 6	84.94444	3.621378	90	77	0	0	0	0	0	0	0	
## 7	94.33333	2.958040	98	90	0	0	0	0	0	0	0	
## 8	81.92073	12.560521	97	0	2	2	3	0	4	9	10	
## 9	84.06338	11.298161	98	0	2	0	0	7	0	2	9	
## 10	83.60241	12.079474	98	0	2	0	0	1	6	5	8	

##	X76.79	X80.84	X85.89	X90.100	CourseNum
## 1	0	0	0	11	550
## 2	3	17	12	4	250
## 3	10	8	16	5	300
## 4	2	14	18	7	320B
## 5	3	5	2	0	320D
## 6	1	6	9	2	350
## 7	0	0	0	9	447C
## 8	12	40	47	35	327
## 9	4	33	35	50	328
## 10	18	34	38	54	329

```
n = nrow(filtered_df)
n
```

```
## [1] 4263
```