

# student\_survey\_analysis

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```
## [1] 1186 51
```

```
## [1] 735 51
```

```
### Match Pre Surveys
```

```
pre_merge <- inner_join (pre_survey_2014, outcomes, by = "girlCode", Copy=FALSE)
dim(pre_merge)
```

```
## [1] 87 55
```

```
#x=2014, y=2015
```

## Match Post Survey (Matched Post Surveys Spring 2015 and Fall 2015)

```
post_merge <- inner_join(post_survey_MY1415, outcomes, by = "girlCode", Copy=FALSE)
non_match <- anti_join(outcomes, post_survey_MY1415, by = "girlCode", Copy = FALSE)
dim(post_merge)
```

```
## [1] 63 55
```

```
dim(non_match)
```

```
## [1] 778 5
```

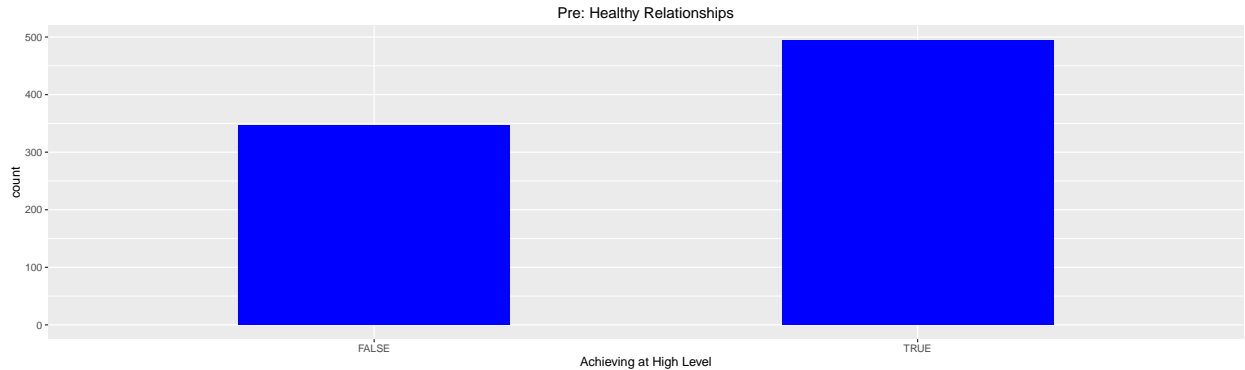
## Survey Analysis Basic

### Healthy Releationships

FALSE	TRUE
41.14	58.86

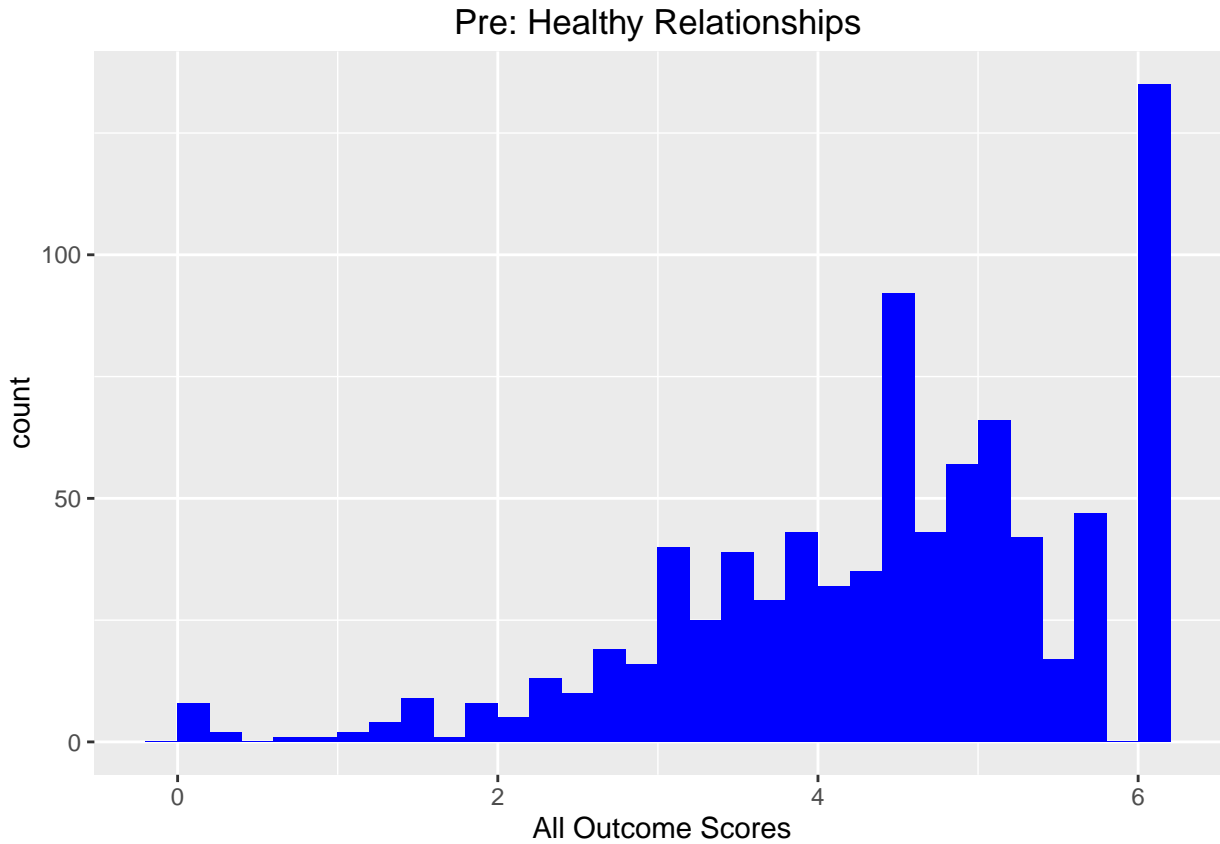
### Healthy Relationships Outcome Tables

### Healthy Relationship Outcome Plots



### Healthy Relationships Outcome Distribution Plots

## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.



## Healthy Relationships Descriptive Stats

	vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	se
hr.avg	1	841	4.420065	1.248636	4.5	4.537964	1.297275	0	6	6	-0.8595303	0.77089	0.02475

## Healthy Relationship Trends

Year	population	mean	sd	outcome.1
2013	699	4.55	1.19	Healthy Relationships
2014	1186	4.44	1.5	Healthy Relationships

## Healthy Relationship Skills for students in the program last year.

### Pre Survey Healthy Relationship Scores for students in the Program last year:

vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	se
1	63	4.425794	1.294482	4.5	4.544118	1.55673	1.2	6	4.8	-0.5224665	-0.4166657	0.1630895

vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	se
1	63	4.613095	1.054874	4.45	4.727941	0.81543	0.875	6	5.125	-1.322923	2.855456	0.1329016

### Pre Survey Health Relationship Scores for students not in the program last year:

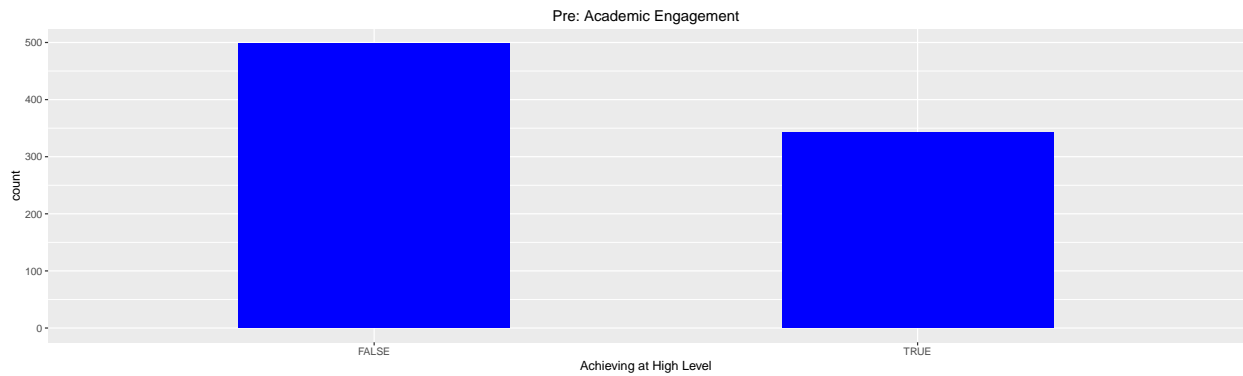
vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	se
1	778	4.419601	1.24571	4.55	4.537099	1.223145	0	6	6	-0.8882934	0.8702966	0.0446609

## Academic Engagement

FALSE	TRUE
59.33	40.67

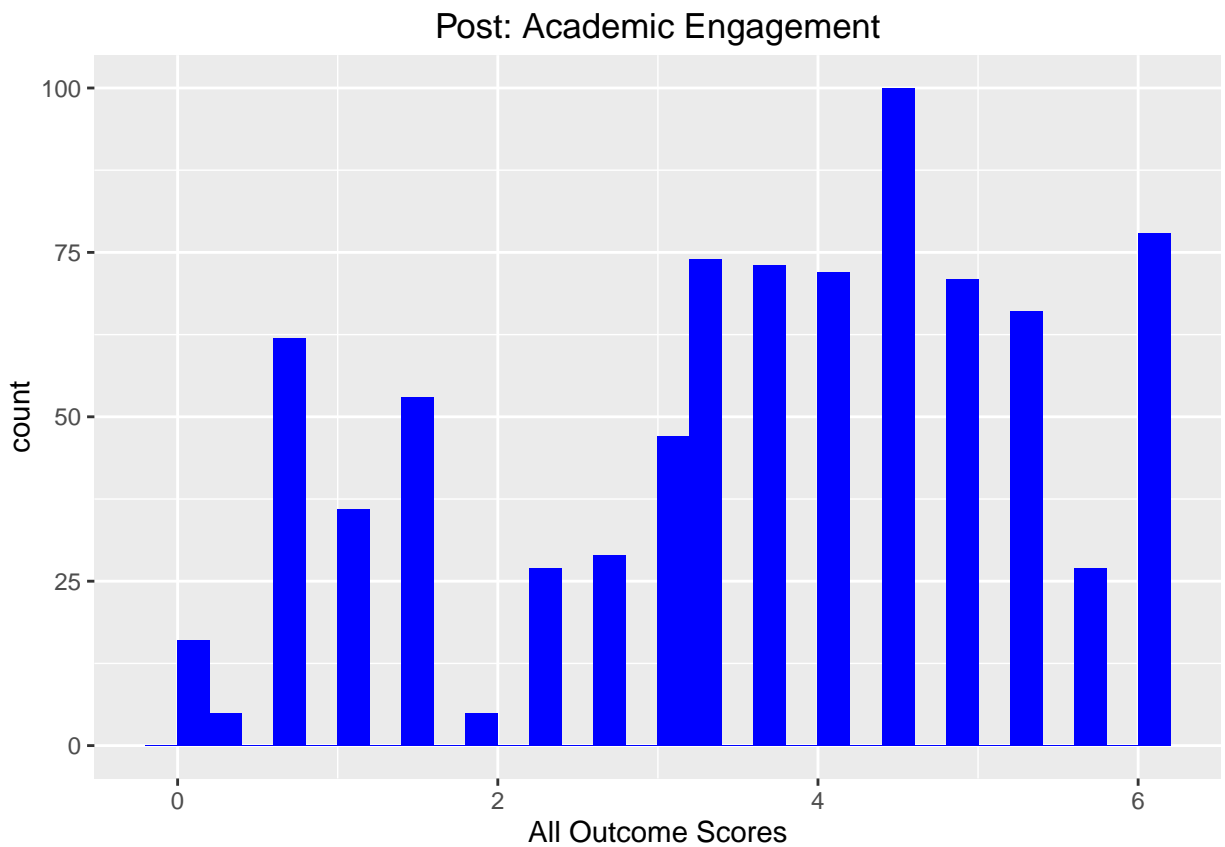
## Academic Engagement Outcome Tables

### Academic Engagement Outcome Plots



### Academic Engagement Distribution Plots

## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.



### Academic Engagement Boxplot

### Academic Engagement Descriptive Stats

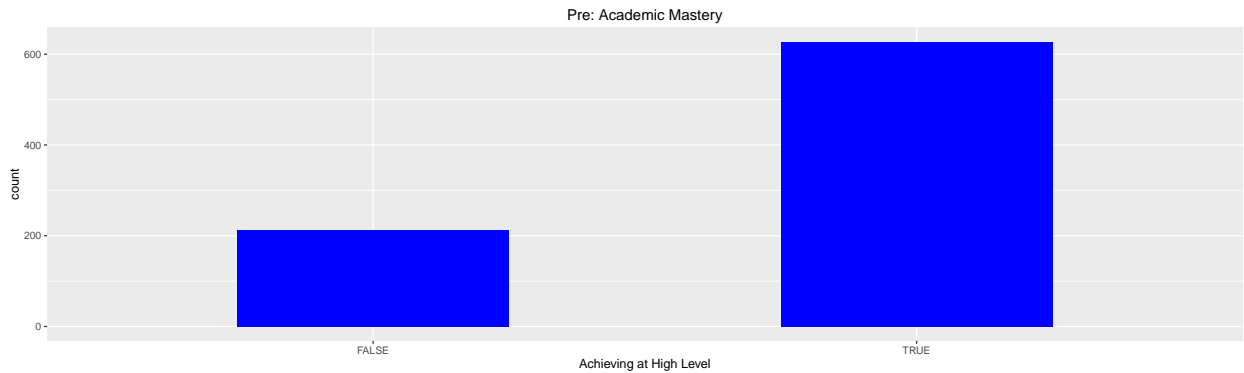
vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	
1	841	3.613109	1.650027	3.75	3.695951	1.667925	0	6	6	-0.4701649	-0.7947508	0.05689

### Academic Mastery

FALSE	TRUE
25.33	74.67

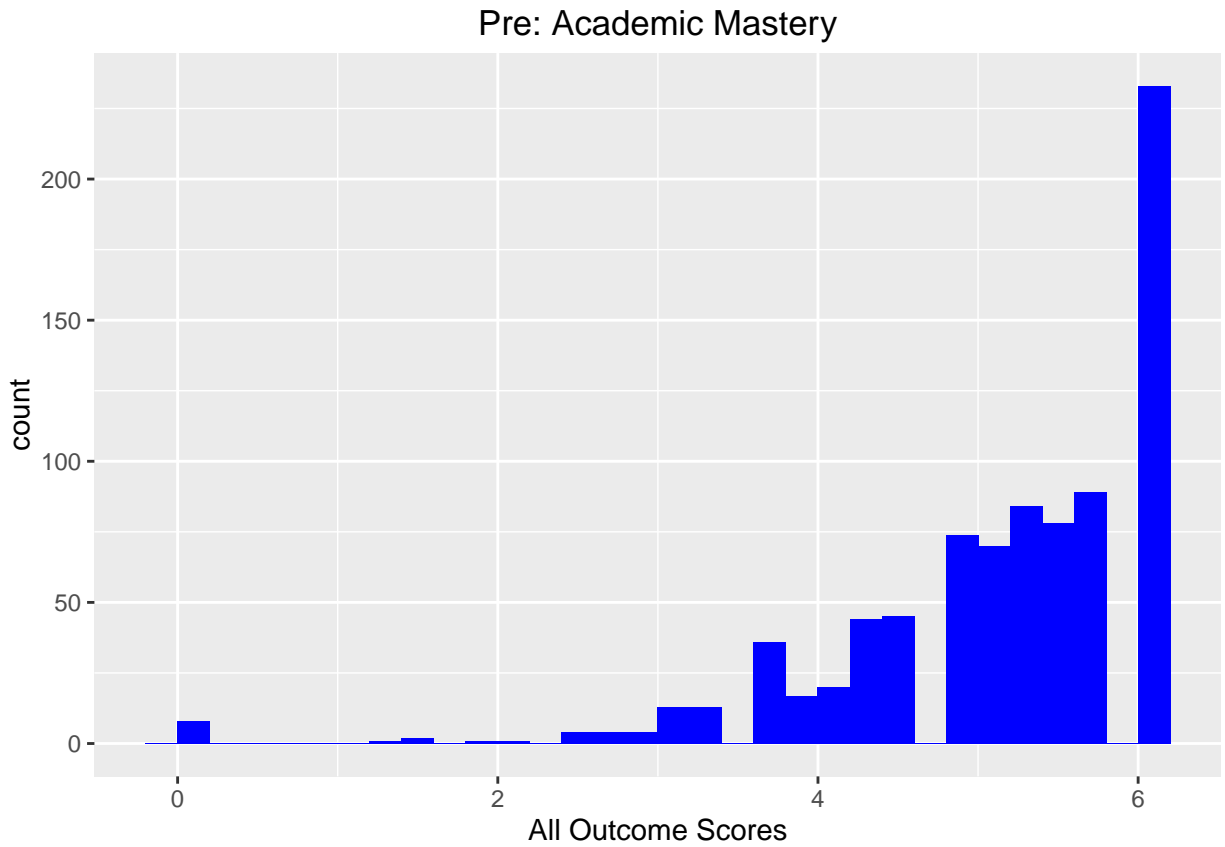
### Academic Mastery Outcome tables

### Academic Mastery Outcome Plots



### Academic Mastery Distribution Plots

## `stat\_bin()` using `bins = 30`. Pick better value with `binwidth`.



#### Acadmeic Mastery Boxplot

#### Academic Mastery Descriptive Stats

vars	n	mean	sd	median	trimmed	mad	min	max	range	skew	kurtosis	se
1	841	5.099358	1.007012	5.28	5.262526	1.067472	0	6	6	-1.899068	5.545075	0.0347245