

Report on Stats Anxiety

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We used the following add-on packages to perform the analyses and create the graphics.

```
library("dplyr")    # data processing
library("tidyr")    # data reshaping
library("ggplot2")  # plotting
```

Students from years 1, 2, and 3 were given the STARS statistical anxiety rating scale by Cruise, Cash, & Bolton (1985).

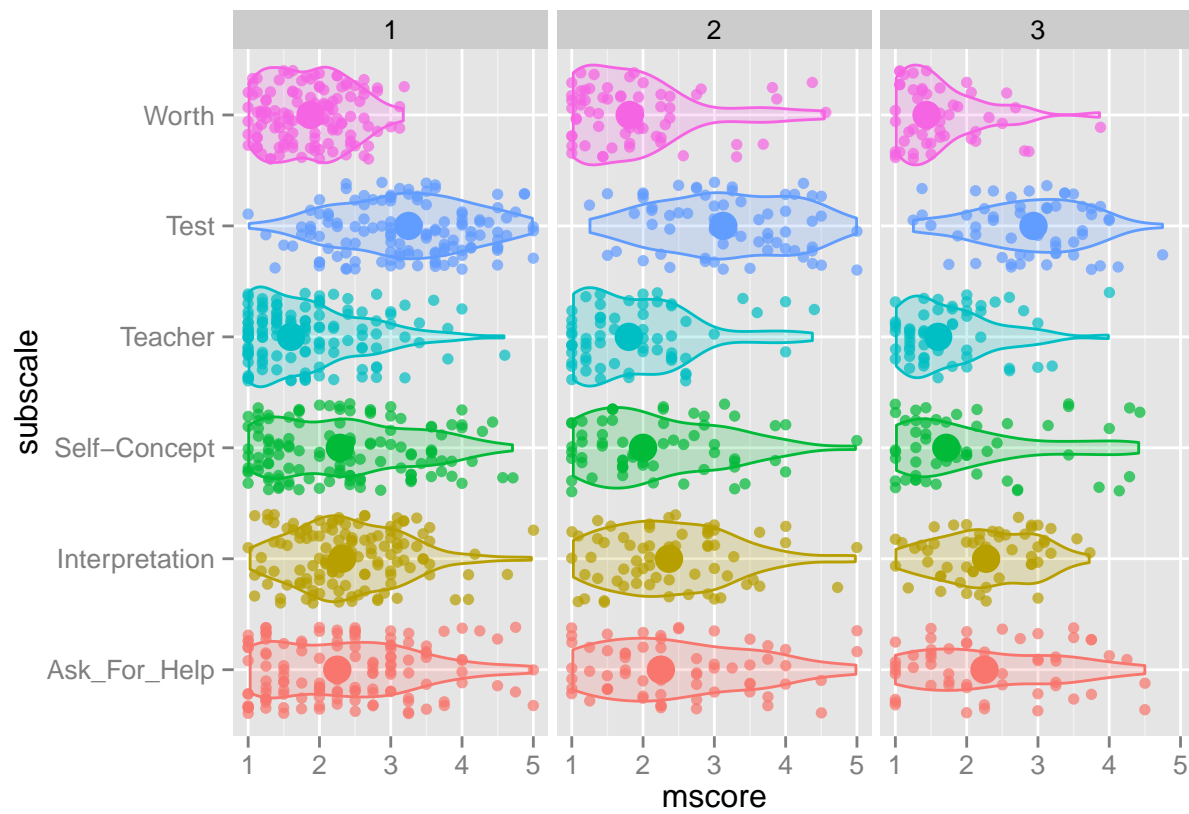
Descriptive statistics for the subscales are below:

subscale	m	med	sdev
Ask_For_Help	2.397177	2.250000	1.0299228
Interpretation	2.372102	2.272727	0.7845784
Self-Concept	2.237507	2.142857	0.9774972
Teacher	1.817004	1.600000	0.7675549
Test	3.148092	3.125000	0.8957611
Worth	1.813555	1.687500	0.6668203

Students exhibited greatest anxiety on the Test subscale, with a mean anxiety rating of 3.15.

Plot

Here is a plot of the results by year:



Cruise, R. J., Cash, R. W., & Bolton, D. L. (1985). Development and validation of an instrument to measure statistical anxiety. *Proceedings of the American Statistical Association, Section on Statistical Education, Las Vegas, NV.*