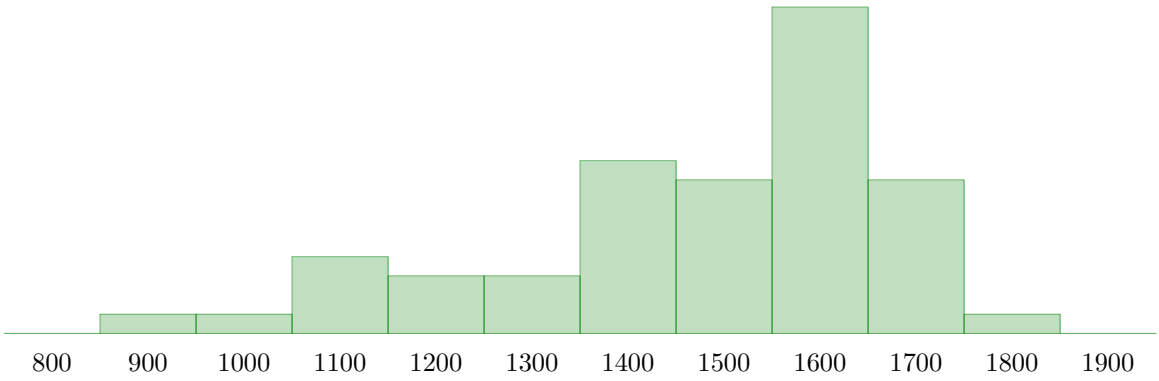
# Midterm 2 Scores — Math 345

Autumn 2010 — Jim Fowler

The average score on Midterm 2 was 1471/1800, with a standard deviation of 319.
The median score on Midterm 2 was 1585/1800.

## Histogram




## Per Problem

On problem 1 the class averaged 320.7/360 with standard deviation 86.3
On problem 2 the class averaged 256.0/360 with standard deviation 108.3
On problem 3 the class averaged 329.5/360 with standard deviation 75.4
On problem 4 the class averaged 301.0/360 with standard deviation 108.7
On problem 5 the class averaged 264.2/360 with standard deviation 70.0

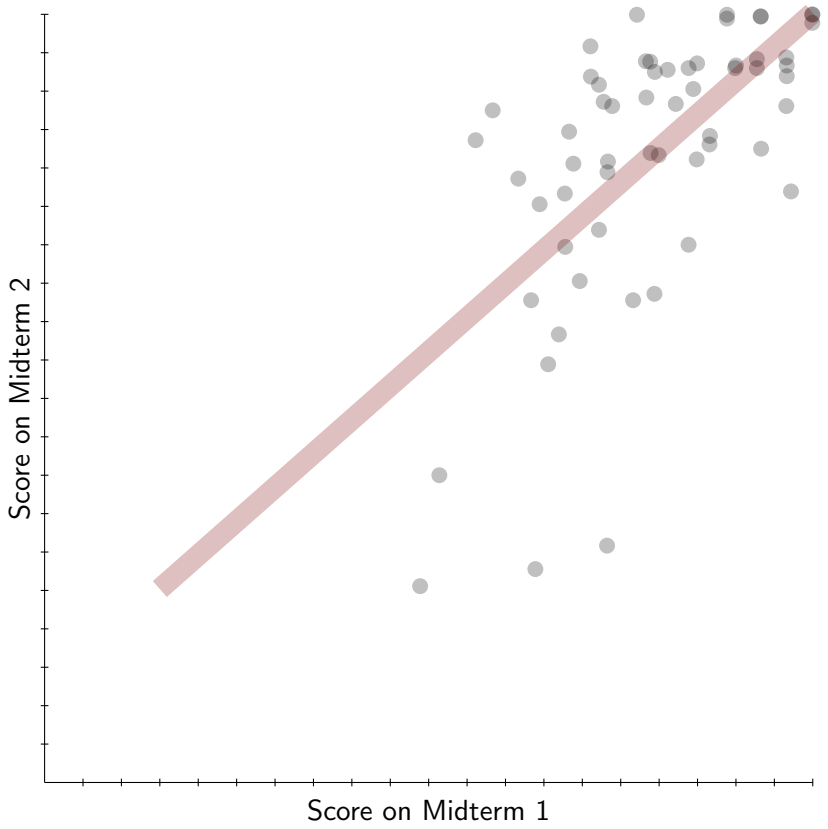
## Crosstabs

This shows the correlation between your scores on one problem and your scores on another.

| | P1 | P2 | P3 | P4 | P5 | Total |
|---|---|---|---|---|---|---|
| **P1** | 100% | 54% | 37% | 35% | 62% | 80% |
| **P2** | 54% | 100% | 19% | 46% | 57% | 81% |
| **P3** | 37% | 19% | 100% | 14% | 13% | 48% |
| **P4** | 35% | 46% | 14% | 100% | 35% | 70% |
| **P5** | 62% | 57% | 13% | 35% | 100% | 73% |
| **Total** | 80% | 81% | 48% | 70% | 73% | 100% |

## Comparison between Midterm 1 and Midterm 2

Here is a plot of your scores on the midterms.




I did a linear regression, and drew the regression line in red. In other words, if you received a score of $P$ points (out of 1800) on the first midterm, you might have expected to receive

$$0.882 \cdot P + 215.0$$

points on the second midterm.

If you received more points than this on the second midterm, you are probably keeping up with the material. If you received fewer points than this, you might be falling behind.