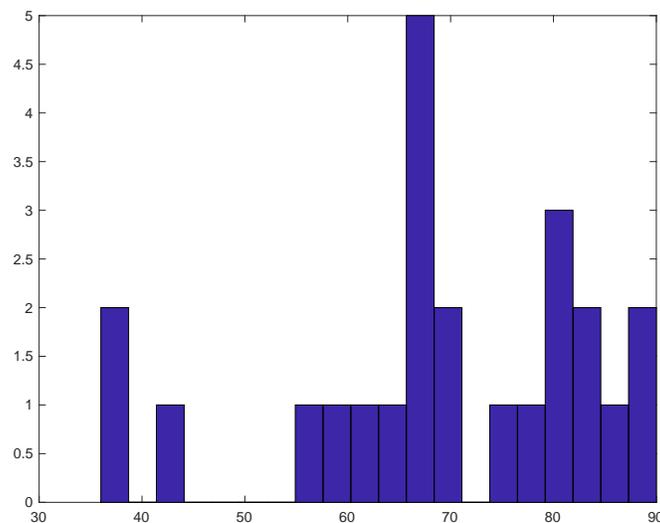


Digital Signal Processing (18-491/18-691)
Spring Semester, 2024

Summary of Quiz 1 and Midterm Grades

Introduction. This note summarizes results for recalculated midterm grades. The numbers presented here represent scores for Problem Sets 1-4, including the MATLAB problems in all case. All grades including the first midterm exam are available under the “Grades” tab in Canvas.

Quiz 1 grades. As of the midterm break there were 24 students registered in 18-491/691. The mean score was 68.9 and the standard deviation was 15.1. The minimum grade for Quiz 1 was 36 and the maximum was 90. A histogram of the Quiz 1 scores is plotted below:



Midterm grades. Midterm grades were calculated by computing $1/3$ times the average of the first four homework grades, without dropping the lowest grade, plus $2/3$ times the grade on Quiz 1. The mean midterm score was 71.7 and the standard deviation was 13.7.

Letter grades were computed using the following rather arbitrary cutoffs based on the rounded midterm scores, looking for locations in the histogram where there were larger gaps between adjacent scores:

- A: 80 and up
- B: 70 to 79
- C: 60 to 69

- D: 50 to 59
- R: below 50

Based on these thresholds, here are the grade distributions:

- A: 8
- B: 7
- C: 5
- D: 3
- R: 1

I will be happy to discuss these any questions you may have about your grade and the grades in general.

Here is the distribution of the midterm grades:

