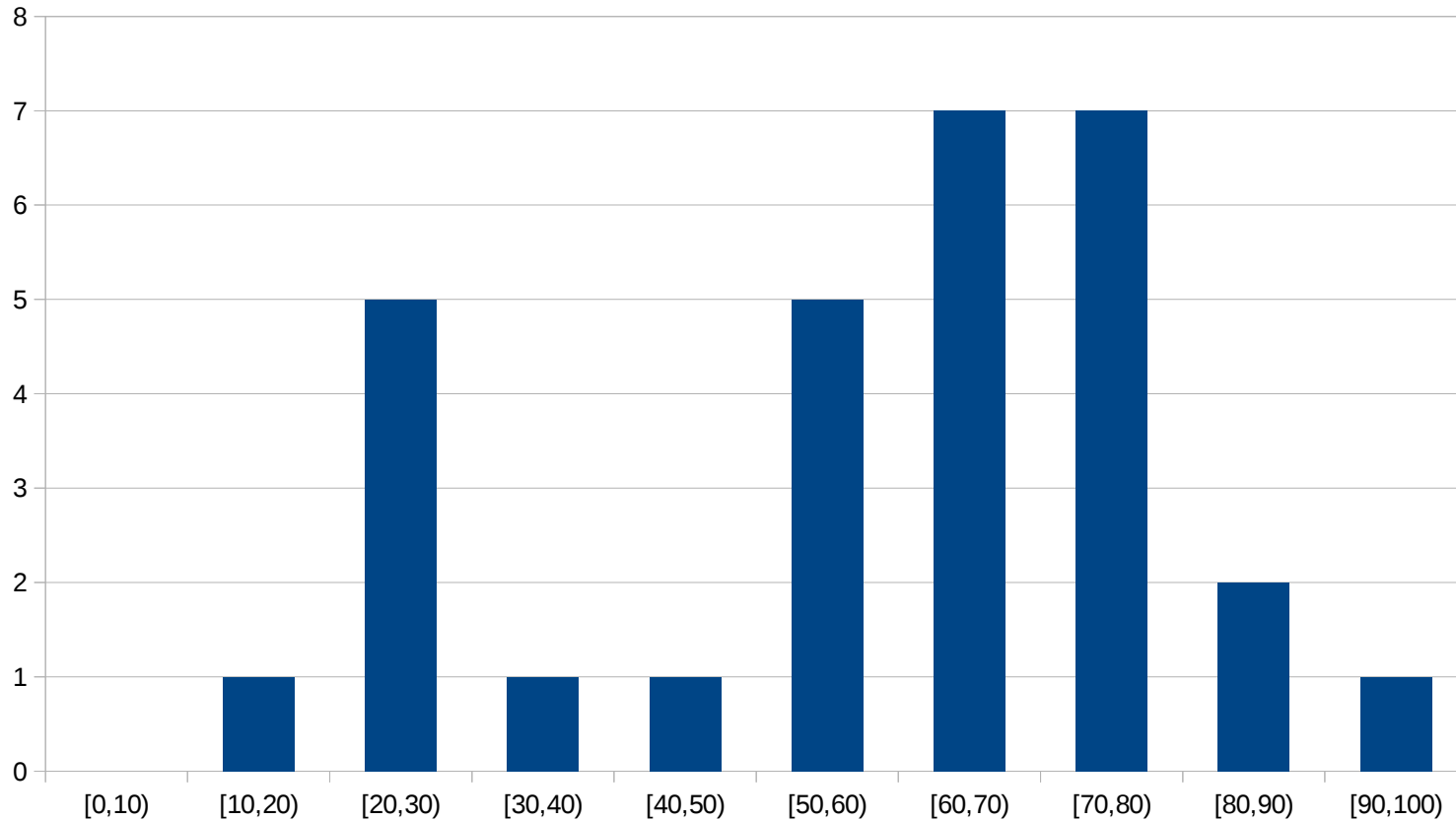


Project 1

Results

Grades



Mean: 58
Median: 60

- Will appear on black board sometime on Saturday
- See me during office hours / recitation to contest grade
 - Emails will only result in me telling you what was deducted

Submission

- Submit only once per group
 - You can have multiple attempts, but do so under the same user
 - I'll grade the last submission
 - It makes it easier for me to discern newer attempts against copies
- Use proper submission name
 - p1_dennis.tar
 - NOT project1.tar, p1.tar, shell.tar, etc
 - Shows me the group members in case its not listed in the documentation
 - Prevents naming collisions from other groups
 - In the future, I'm taking 5 points off for submissions that are not properly named

Documents

- Include all items for README and Report
 - Graded on presence not necessarily the quality
 - Missing items reduces point total
- Include all files
 - I gave everyone that was missing a file a chance to resubmit the missing file at -10 points
 - In the future, it's an automatic 70 point deduction
- Make sure to check submissions for no missing items and that it compiles/runs

Doesn't Run

- For the couple of cases that weren't missing anything
- Automatic 70 points off for
 - Not compiling
 - Warnings are fine, but there's a reason they're called warnings...
 - Getting into an infinite loop / crashing on first read
- Make sure to test on linprog before submitting

Maximize Points

- Many of you chose to omit functionality to prevent deductions
 - This is fine if the deductions are more than the functionality
 - But a common example was omitting piping because it introduced zombies
 - Piping = 10 points
 - Zombie = -5 points
- Start with items worth most points
 - For many people, piping and execution were the lowest items
 - However, these are worth the most points

Common Errors

- Prompt used the wrong value for the machine name
 - `gethostname()`, `$HOSTNAME`
 - Same as Bash
- Background processes introduce zombies
 - Occasionally call `waitpid(,WNOHANG)`
- Not executing relative paths or environmental variables
 - `./shell.x`
 - `$SHELL`
- Crashing due to `$PWD`
 - This is why I said not to use `strtok()` unless you know what you're doing
- Not properly handling user errors
 - `&ls`
 - `more | shell.c`
 - `less >`
- Treating `$invalid` as an error value
 - Should just print empty line as Bash does
- Creating files you don't have permission to access
 - Default mode is `0644`