

ECE 341 - Homework #15

F-Test and ANOVA. Due Friday, June 12th

Please make the subject "ECE 341 HW#15" if submitting homework electronically to Jacob_Glower@yahoo.com (or on blackboard)

Test of a 3+ Populations

1) Use Matlab to generate 3 sets of random numbers:

```
A = 50 + 5 * randn(5,1);  
B = 55 + 3 * randn(5,1);  
C = 57 + 4 * randn(5,1);
```

Determine if the means are the same using an ANOVA test.

2) Have three different people take the reaction-time test

or, use the following data from homework #13:

- A: { 211, 220, 196, 201, 212 } ms
- B: { 301, 313, 287, 368, 281 } ms
- C: { 268, 298, 297, 304, 377 } ms

Determine if the means are the same using an ANOVA test.