

ASTR415 Survey Results

Fall 2014

16 respondents (100%)

1. Computer familiarity [1=Master, 5=None]:
Avg = 3 [Skilled], range from [Expert] to [Novice]
2. All of you have access to a Mac or Linux (dept account)
3. Unix familiarity [1=Master, 5=None]:
Avg = 3.8 [Novice], range from [Skilled] to [None]
4. Unix commands:
 - (a) ls: 11/16 correct (69%)
 - (b) mkdir: 13/16 correct (81%)
 - (c) cat: 5/16 correct (31%)
 - (d) grep: 3/16 correct (19%)
 - (e) make: 3/16 correct (19%)
5. Fortran familiarity [1=Master, 5=None]:
Avg = 4.69 [Never seen], range from [Skilled] to [Never seen]
6. Java familiarity [1=Master, 5=None]:
Avg = 4.25 [Novice], range from [Skilled] to [Never seen]
7. C familiarity [1=Master, 5=None]:
Avg = 4.12 [Novice], range from [Skilled] to [Never seen]
8. C statements:
 - (a) increment: 10/16 correct (62%)
 - (b) loop: 9/16 correct (56%)
 - (c) pointers: 5/16 correct (31%)
 - (d) malloc: 3/16 correct (19%)
 - (e) structures: 2/16 correct (12%)
9. Other languages/visualization packages: all of you have used Matlab, 6 of you know Python, three know C++ and three know IDL. Other languages that were mentioned (some I never heard before!): Pascal, Tutor, Rexx, Assembler, Perl, Cobol, os/370.
10. Do you know how to?
 - (a) Create animation: 5/16 (31%)

- (b) Rendering 3-dimensional volumes: 4/16 (25%)
- (c) Use PowerPoint or OpenOffice: 16/16 (100%)

11. Have you ever?

- (a) Used a supercomputer: 1/16 (6%)
- (b) Written parallel code: 3/16 (19%)
- (c) Written assembly code: 4/16 (25%)
- (d) Used revision/maintenance software: 4/16 (25%)
- (e) Written HTML code: 6/16 (37%)