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 Mathlab, 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%)