

Important note: Monday's lecture room and time have been changed to 16-18 and room P617.

1. Briefly answer the following questions:
 - (a) What is the difference between descriptive statistics and inferential statistics?
 - (b) Would you trust a 1998 poll to be accurate when saying that Clinton needs to resign if you find out that the poll is collected by people calling in response to a newspaper article? why or why not?
2. Lets review some math:
 - (a) The first edition of a textbook contained 600 exercises. For the revised edition, the author removed 50 of the original exercises and added 350 new exercises. Complete each of the following statements.
 - There are _____exercises in the revised ed.
 - There are _____more exercise in the revised ed. than the 1st ed.
 - There are _____% more exercises in the revised ed. than in the 1st ed.
 - _____% of exercises are new.
 - (b) Assume 25% of the deer population is infected with TB. Suppose the total population is reduced by 10% by recurring annual methods. If the initial population was 100,000, how many infected deer are left? (Assume that the reduction methods operate independently of infection.)
3. Some of your fellow students have shown concern about the lack of available space to do private study. You have been asked to represent them in approaching the Principal in order to press for some improvement in appropriate study space. Before you do this you want to be sure that you are representing a majority view, not just the feelings of a few 'complaining' individuals. Describe a proper sampling strategy.
4. The final grades in psychology of 80 students at Helsinki University are recorded in the following table

68	84	75	82	68	90	62	88	76	93
73	79	88	73	60	93	71	59	85	75
61	65	75	87	74	62	95	78	63	72
66	78	82	75	94	77	69	74	68	60
96	78	89	61	75	95	60	79	83	71
79	62	67	97	78	85	76	65	71	75
65	80	73	57	88	78	62	76	53	74
86	67	73	81	72	63	76	75	85	77

With reference to this table find

- (a) the highest grade.
- (b) the grades of the five lowest ranking students.
- (c) the grade of the student ranking tenth highest.
- (d) how many students received grades of 75 or higher.
- (e) how many students received grades below 85.
- (f) what percentage of students received grades higher than 65 but not higher than 85.
- (g) which grades did not appear at all.