

521 M7410 –Adjustment and Analysis of Spatial Information

Fall Semester 2015

Homework No. 0

handed out Thursday, September 17, 2015

due Thursday, September 24, 2015, 09:10 Name: _____

Data Adjustment - why/what/how to adjust?

You are given a data set showing the occurrence rate of a disease (D) at a certain age (A).

1. Please describe (in your own words) the relation between these two factors.
2. Could you use a mathematical model to represent this relation? If positive, please give an explicit form of the model. Besides, give the parameter values of the model.
3. How confident are you on the above mentioned model? How can you evaluate it?

Age (A)	20	25	30	35	40	45	50	55	60	65	70	75	80
Disease Rate (D)	2%	4%	7%	11%	20%	23%	32%	35%	46%	50%	62%	65%	79%

Your (individual) final report should contain (use A4 papers):

- this page as the cover sheet
- source code(s) and outputs; do not forget to add your name and lots of comment cards to the source listing (%
- input and output files from program [input/output values used and calculated], if any
- plots, including captions on axes, title, your name, LB#/HM#, course title, date (if any)
- derivation and description of formulas used, accompanied by figures where applicable
- evidence of computational accuracy
- discussion of results