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UCL was rated 2nd in the UK for research power in the Research Excellence Framework 2021

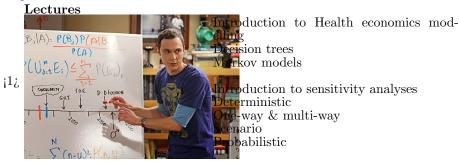
UCL is ranked 8th in the 2022 QS World

University Rankings

The Department of Statistical Science has played a major role in the development of the subject ever since its foundation in 1971 as the Department of Applied Statis-

University College London

Objectives



Computer practicals



hasis on practical examples Decision tree and Markov models using R programming language

Timetable0:00-1:00 Health Economics modelling lecture 1:00 - 1:45 Decision tree and Markov model practical BREAK 1

More Bayesian Health Economics...

Books

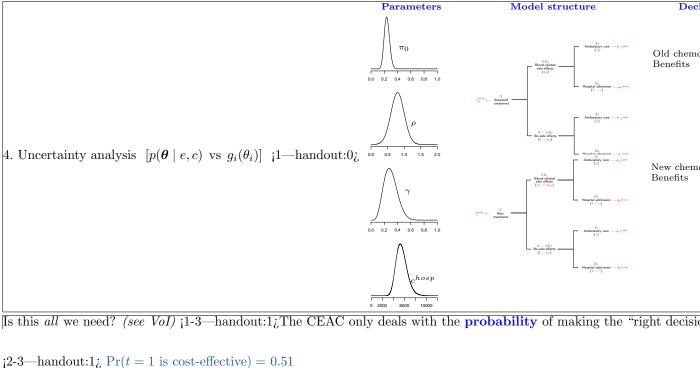


This course is only a small part of an annual week-long summer school usually in Florence, Italy Several books available Edition two of BCEA book in the pipeline and a Health Economic in R book close to being finished!

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Summaryxxx

References Bayesian Methods in Health Economics, chapter 1. Baio et al (2017). Bayesian Cost-Effectiveness Analysis with the R package BCEA



;2-3—handout:1; If we get it wrong: Increase in costs = £3

Decrease in effectiveness = 0.000001 QALYs i2-3—handout:1;

Large uncertainty/negligible consequences ⇒ can afford uncertainty

- i3—handout:1; Example 2: Intervention t = 1 is the most cost-effective, given current evidence
- j3—handout:1; Pr(t = 1 is cost-effective) = 0.999
- i3—handout:1 \check{i} If we get it wrong: Increase in costs = £1 000 000 000
- i3—handout:1; Decrease in effectiveness = 999999 QALYs i3—handout:1; Tiny uncertainty/dire consequences ⇒ probably should think about it...

