

Making Health Economics Shiny: A tutorial

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The Sick Sicker Model

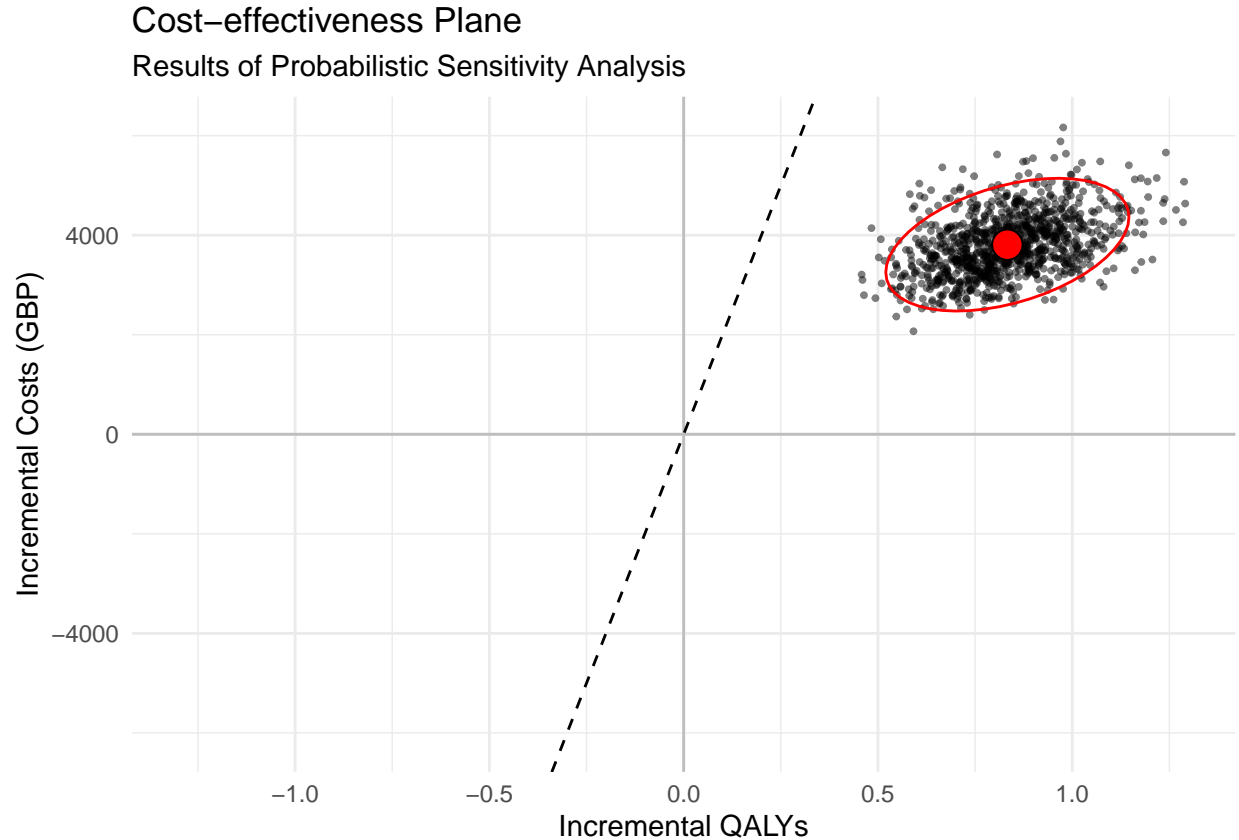
Parameter inputs

We use the Sick Sicker Model with a price of £375 , an initial age of 20 , a maximum age of 75 , a discount rate of 1.5% and run a PSA with 1000 iterations.

Results

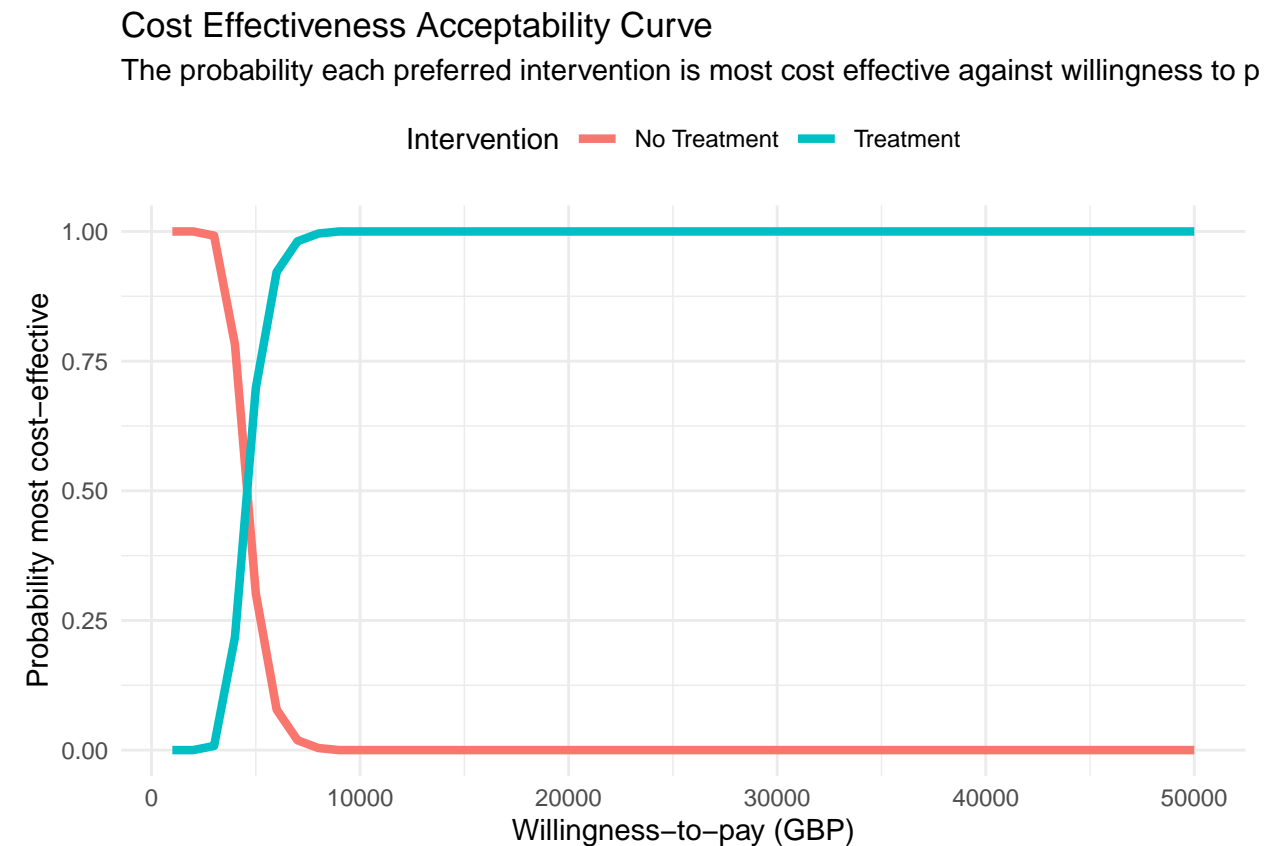
Cost Effectiveness Plane

Here is the Cost Effectiveness Plane.



Cost Effectiveness Acceptability Curve

Here is the CEAC.



The ICER is £4574.01.

Exercise

1. Your client has mentioned that their treatment cost is now £375, rather than the £200 stated in the previous report. They would like to see an identical report to that shown above, but with an updated cost-effectiveness plane and ICER.
2. Your client would like to see the CEAC curve and for the insertion of a paragraph at the beginning with the inputs to the Sick-Sicker function defined. (Ensure you do this so that the entire document can be updated by one change).
3. The decision body has changed its discount rate from 3.5% to 1.5%. Please update the entire report.