Making Health Economics Shiny: A tutorial

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Introduction

R Markdown documents can be used to write reports. In this example I am rendering this report to PDF, but it could be output in Word or as an online document (like the course material).

The Sick Sicker Model Results

We can run the entire model from within Rmarkdown, and produce outputs:

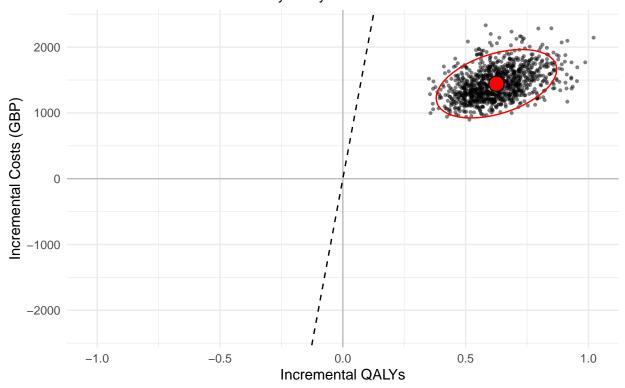
```
Cost_NoTrt
                Cost_Trt QALY_NoTrt QALY_Trt
## 1
      97289.36 98714.21
                            19.87732 20.60089 1969.198
     107514.80 109157.13
                            19.53342 20.32360 2078.439
## 3
      91653.43 92914.85
                           17.53017 18.00964 2630.868
      97828.38 99223.65
                           17.02228 17.66461 2172.207
     104643.12 106044.87
                           18.67923 19.35334 2079.395
## 5
      93691.42 95077.04
                           19.98510 20.55345 2437.975
```

Including Plots

You can also embed plots, for example here is a the Cost Effectiveness Plane.

```
plotCEP(df_results)
```

Cost-effectiveness Plane Results of Probabilistic Sensitivity Analysis



Note that the text can include model results. For example I could say that the ICER is $\pounds 2308.52$