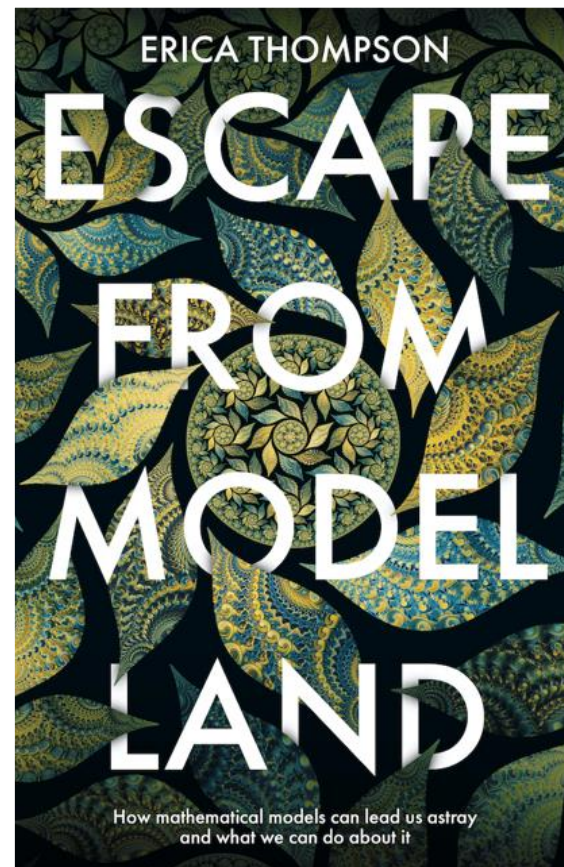
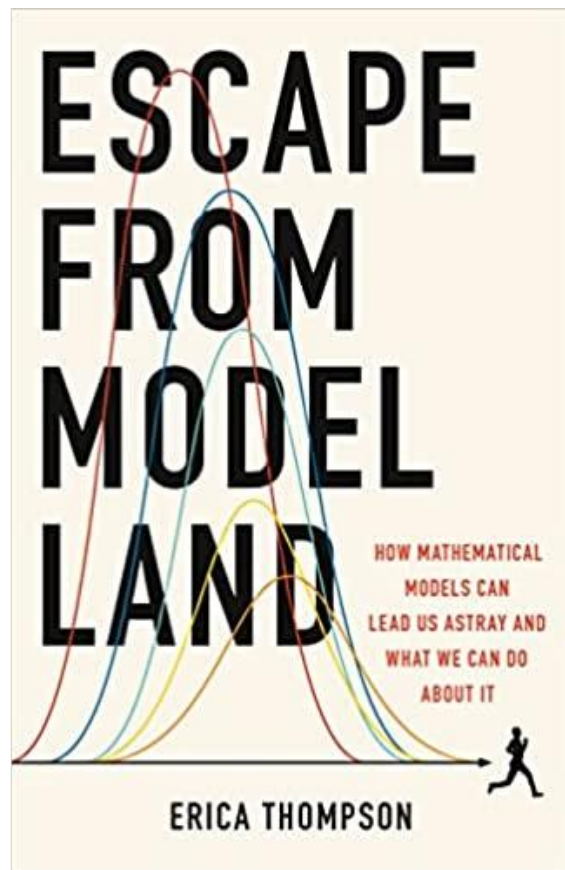


Escape from Model Land

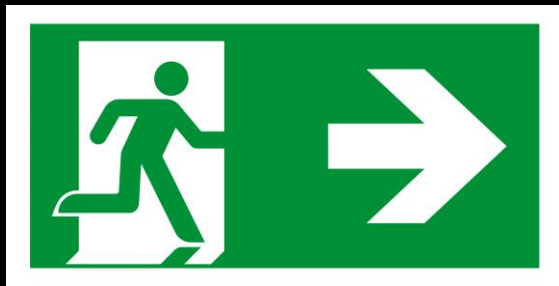
Dr Erica Thompson
UCL



ESCAPE ROUTES FROM MODEL LAND



- Checking against data: was the model any good in the past?



- Judging model quality: is the model based on assumptions that we expect to continue to be true?

Confidence is based on **data**

Confidence is based on **expert judgement** about **quality of assumptions**

extrapolation

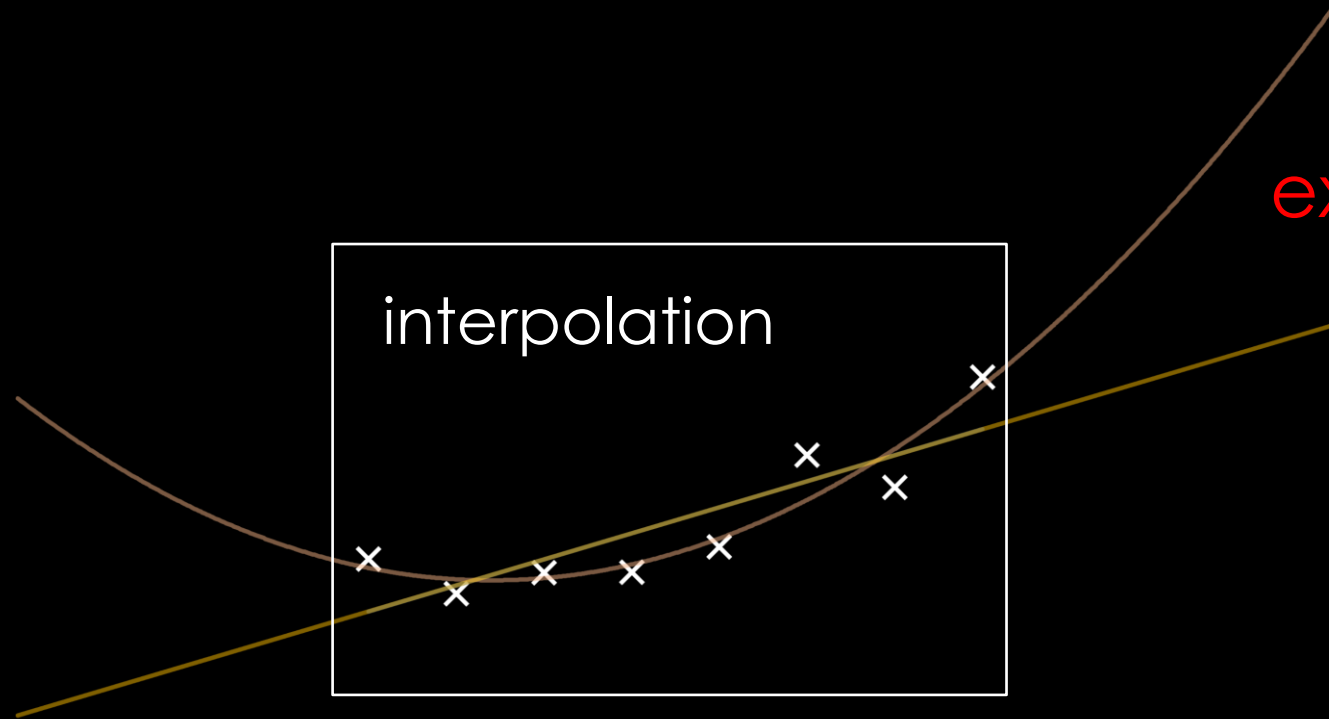
interpolation

extrapolation

assumption-driven
models

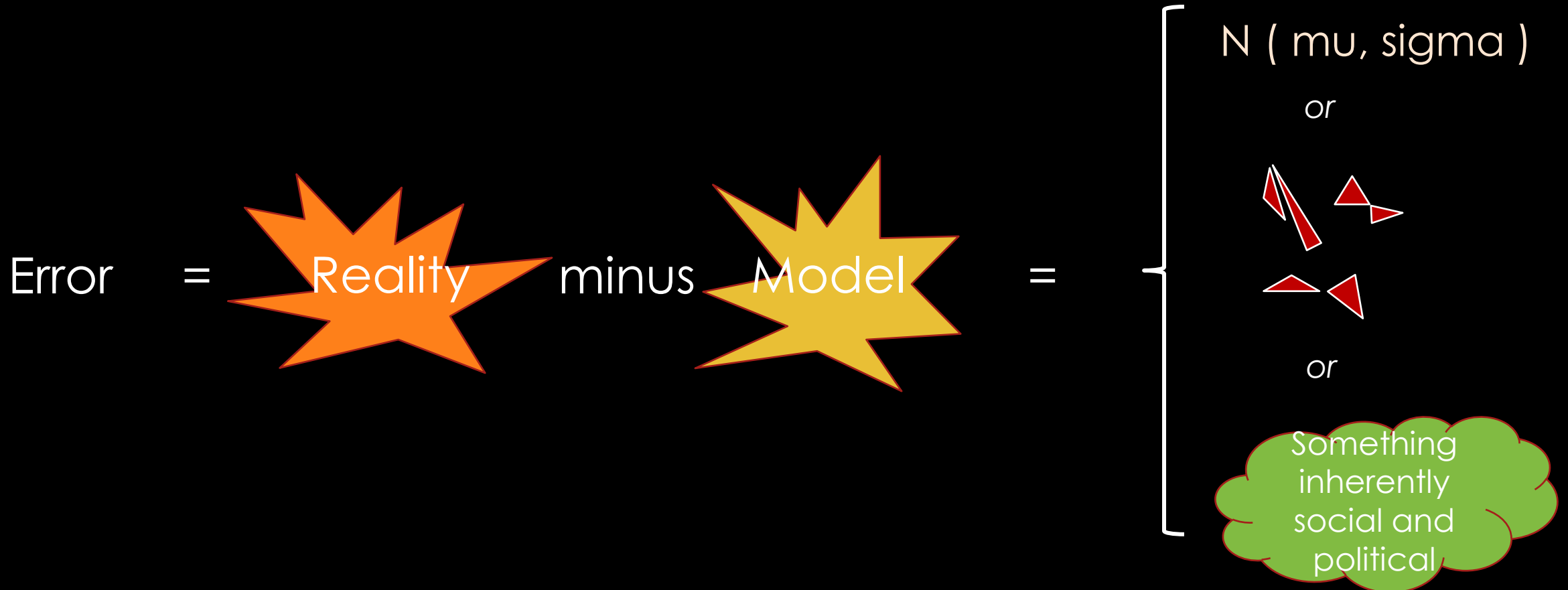
data-driven
models

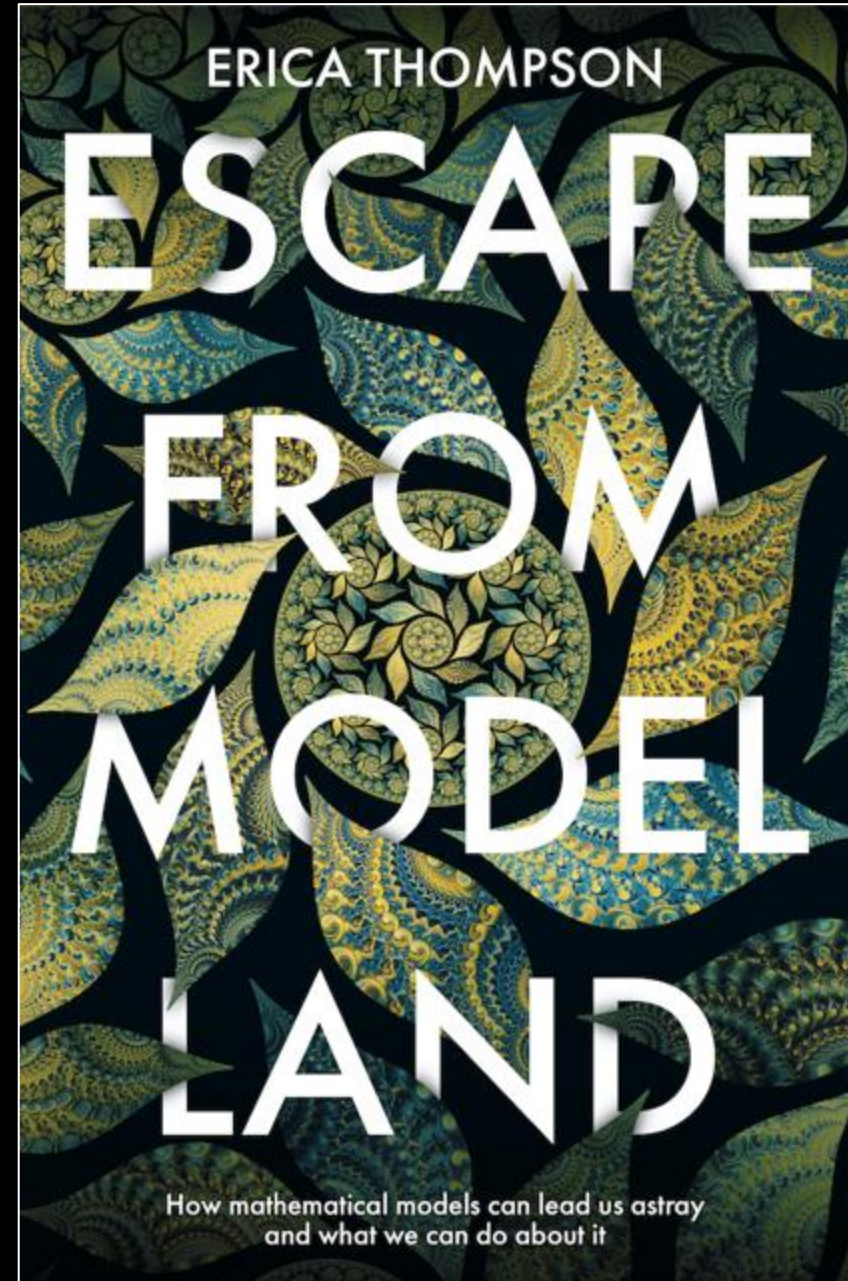
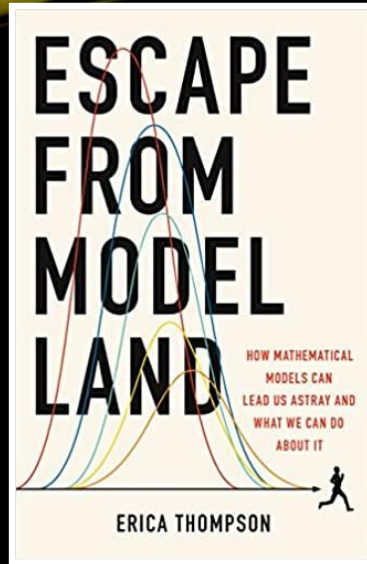
assumption-driven
models



What is model error?

Appropriate choices of evaluation tools depend on your conception of model error.





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