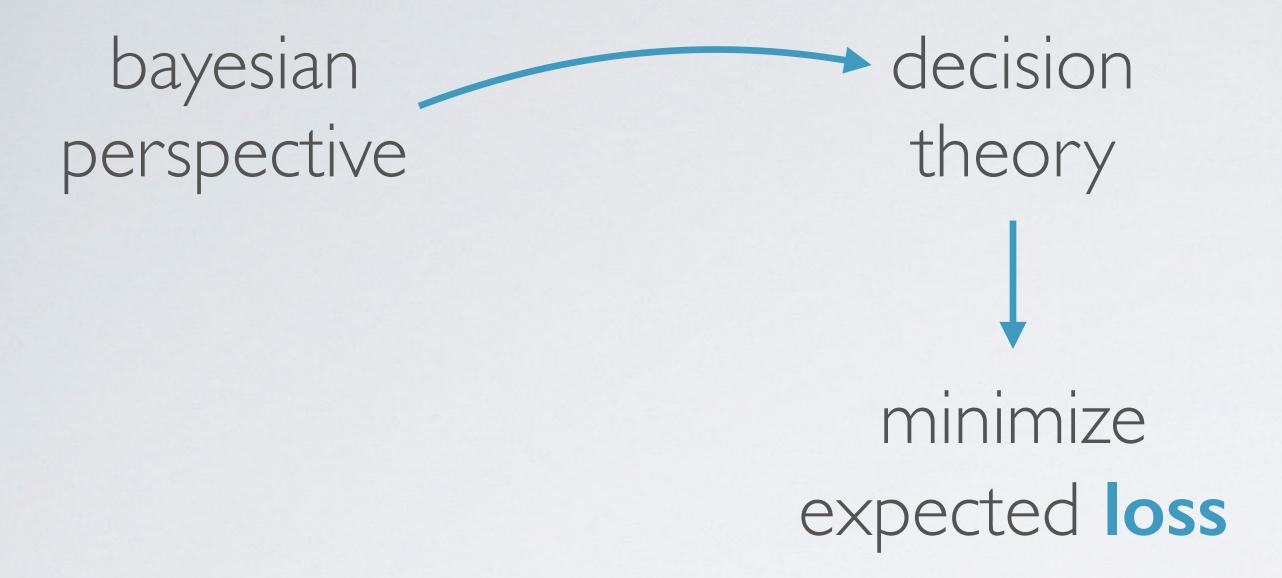
losses and decision making



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point estimates

- posterior distribution is informative: integrates prior + data
- but posterior is not always sufficient
- credible intervals can be useful:
 - > 95 percent certain the probability of an RU-486 pregnancy lies between some number L and some number U
- points estimates can also be useful
 - average payoff for an insurance claim or
 - how much longer a patient has to live



loss functions

IOSS	best estimate
linear	median
squared	mean
0/1	mode

summary

- how Bayesians make point estimates of unknown parameters
- make choices that minimize the loss
- best estimate depends upon the kind of loss function one is using