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THIS WEEK'S FORUM

Week 2

Discuss this week's module: Statistical Inference.

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A non-informative prior

Herbie Lee Staff · 19 days ago

For Bernoulli or Binomial data, the limiting prior of a Beta(0,0) is a non-informative prior in the sense that it has an effective sample size of zero, and that using this prior leads to posterior point estimates and interval estimates that match Frequentist

DESCRIPTION

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estimates. However, this prior pushes its probability away from 0.5 and toward both 0 and 1, and thus it is not likely to ever be a fully accurate description of your prior beliefs. When does it make sense to use this prior, and when would it not make sense to use this prior?

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상언 박 · 5 days ago

After observation, the prior begins to have a meaning. But don't we have any observation, it's just vague and not to use anywhere.

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GK

Gautam Karmakar · 3 days ago

It will be always to make sense to use this prior, either enough number of observations will diminish effect of prior no matter it is improper we will get a proper posterior or we can use Jeffrey's prior.

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