

Bayesian penguins

Introduction to Bayesian statistics in R and Stan

Luka Seamus Wright



Why be a Baye?

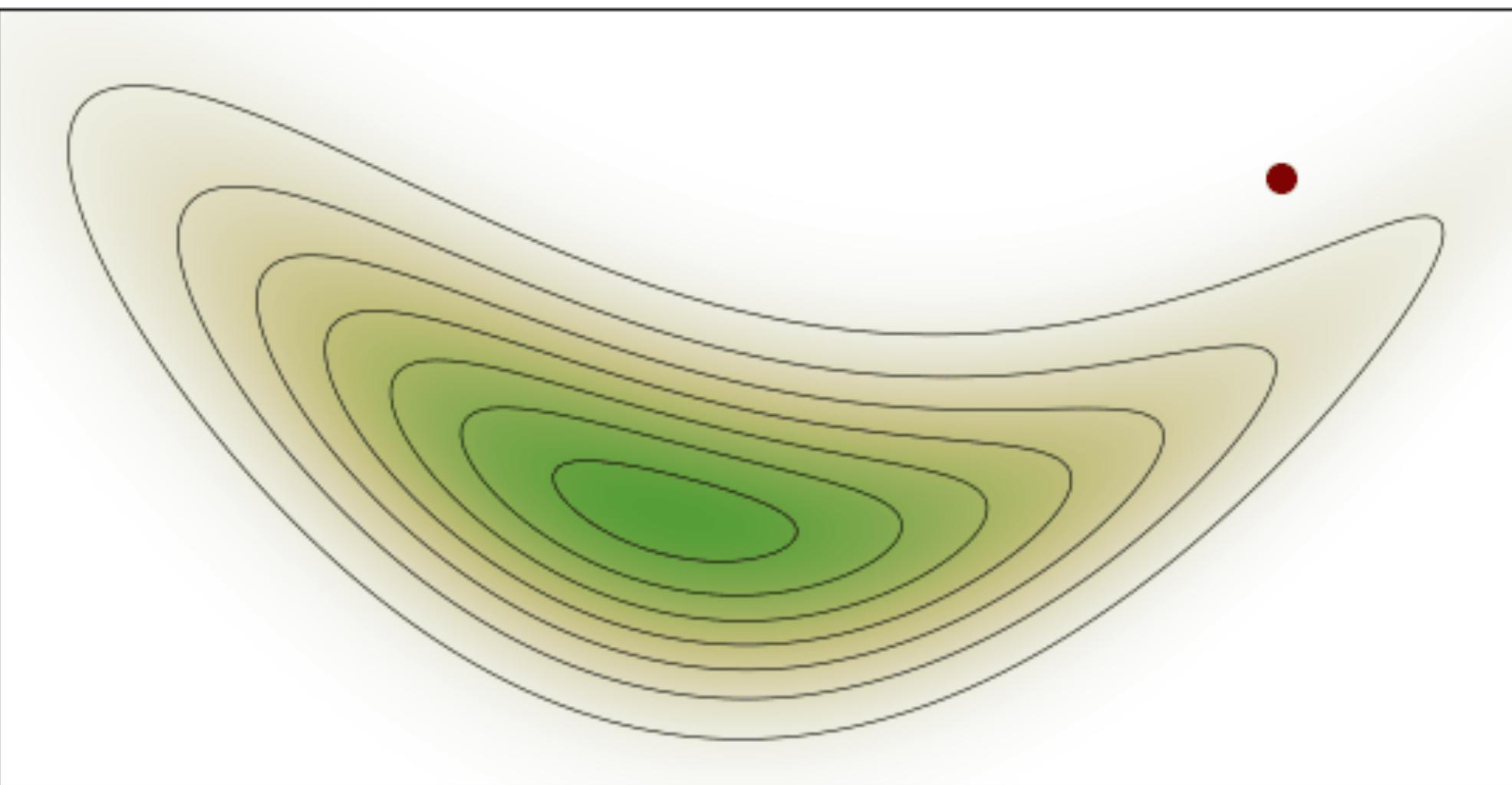


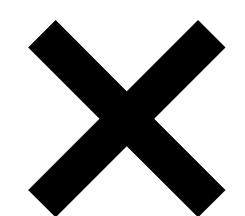


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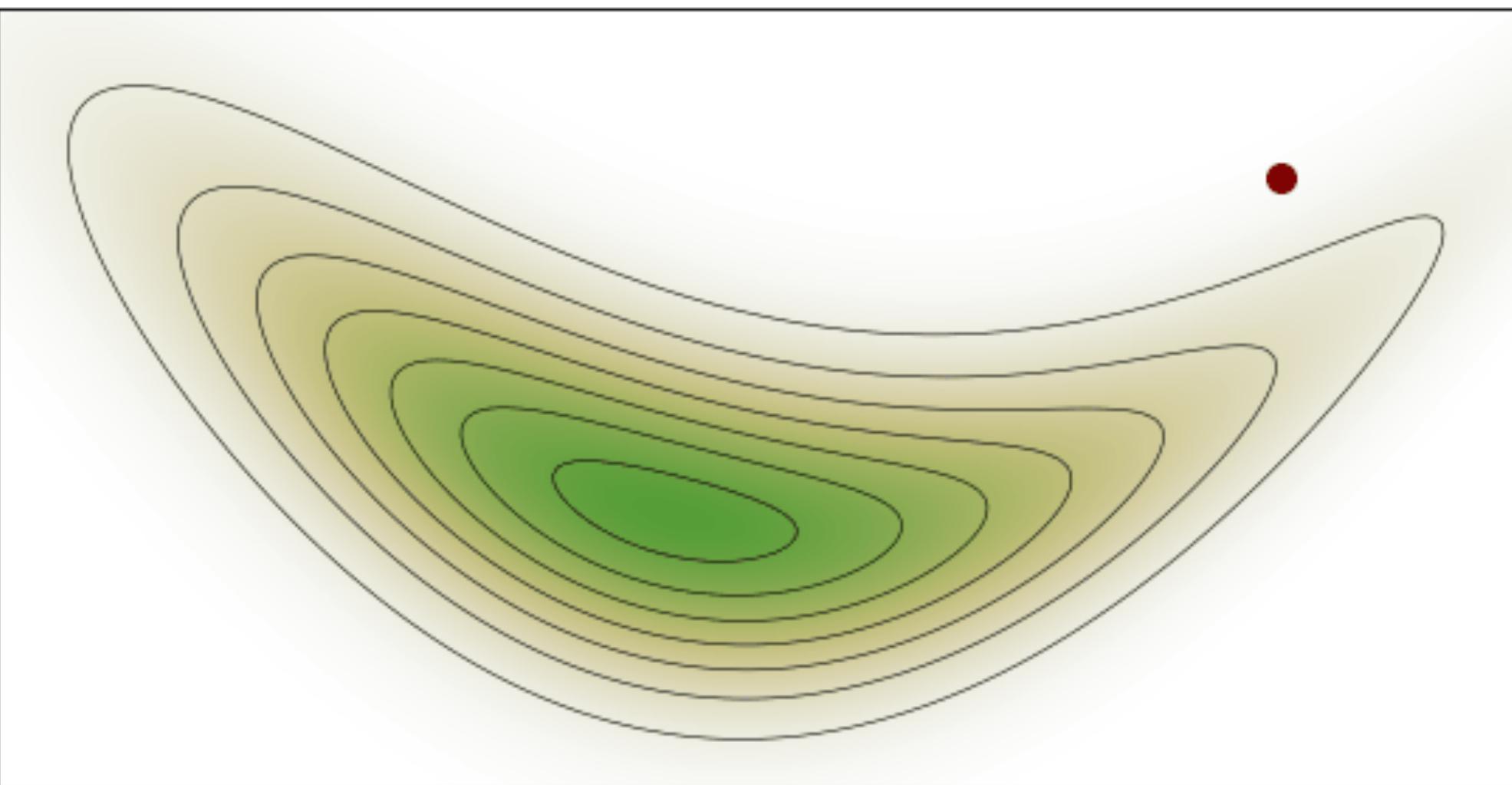


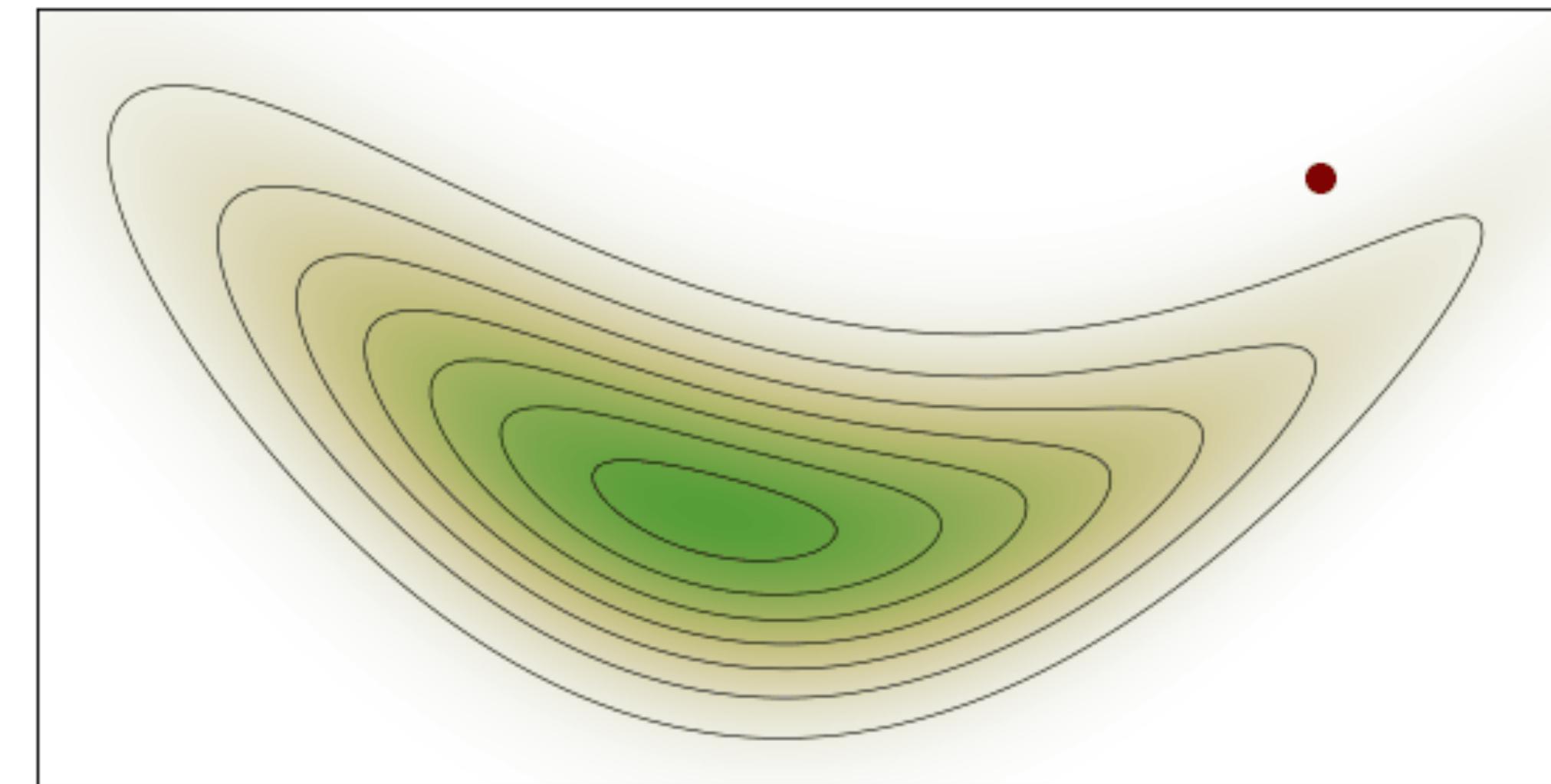
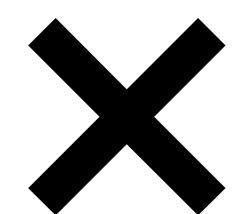


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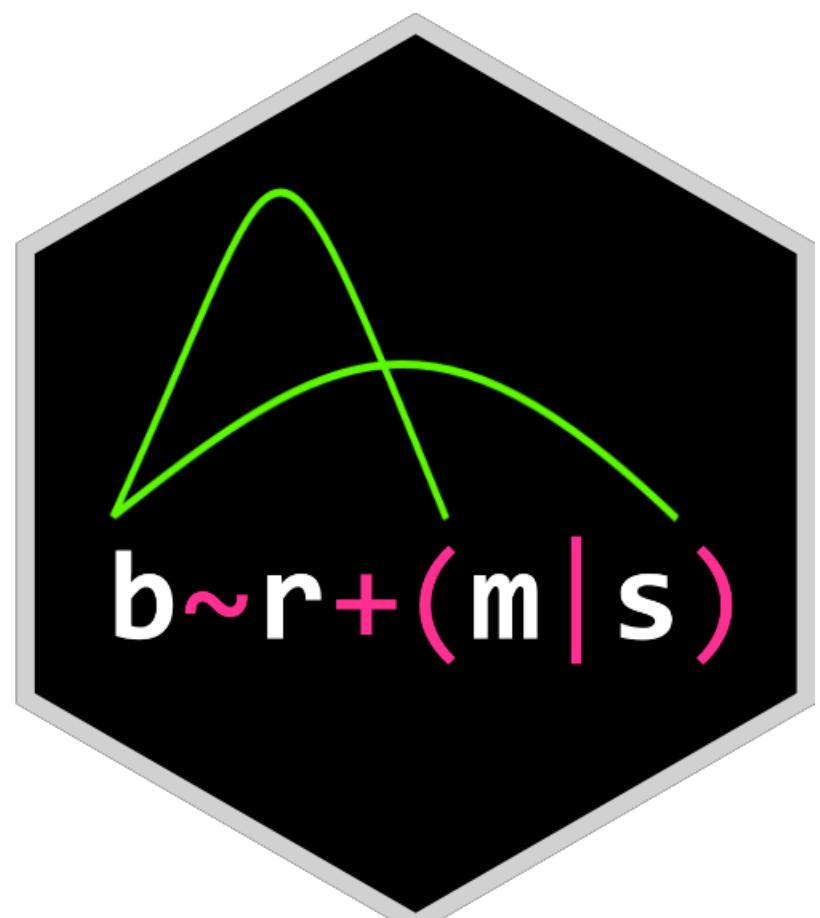
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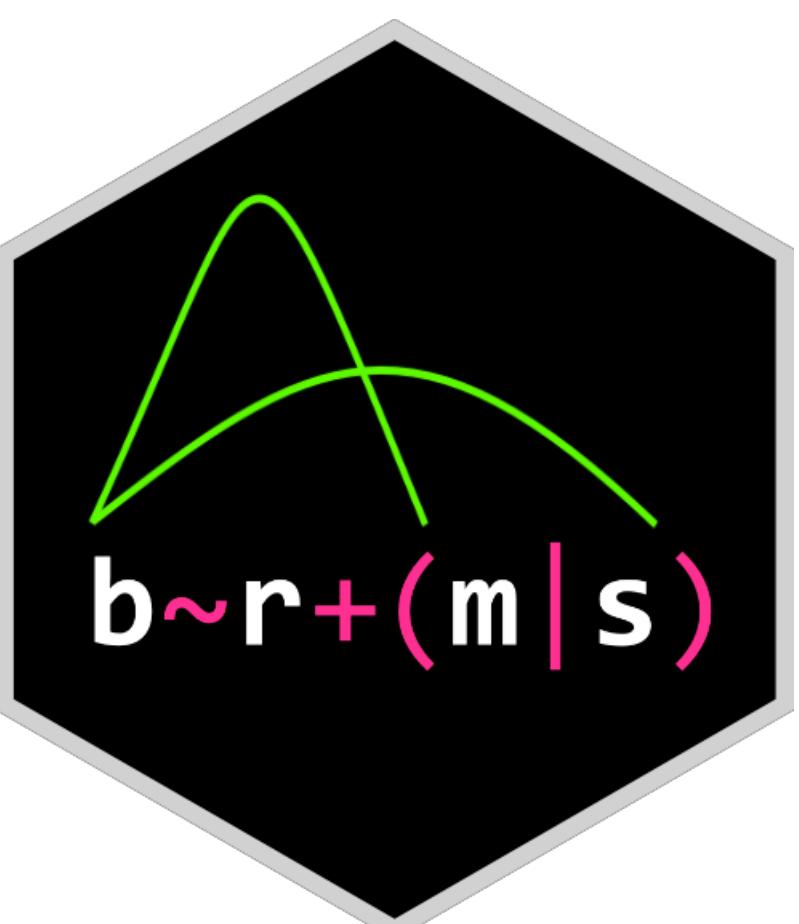
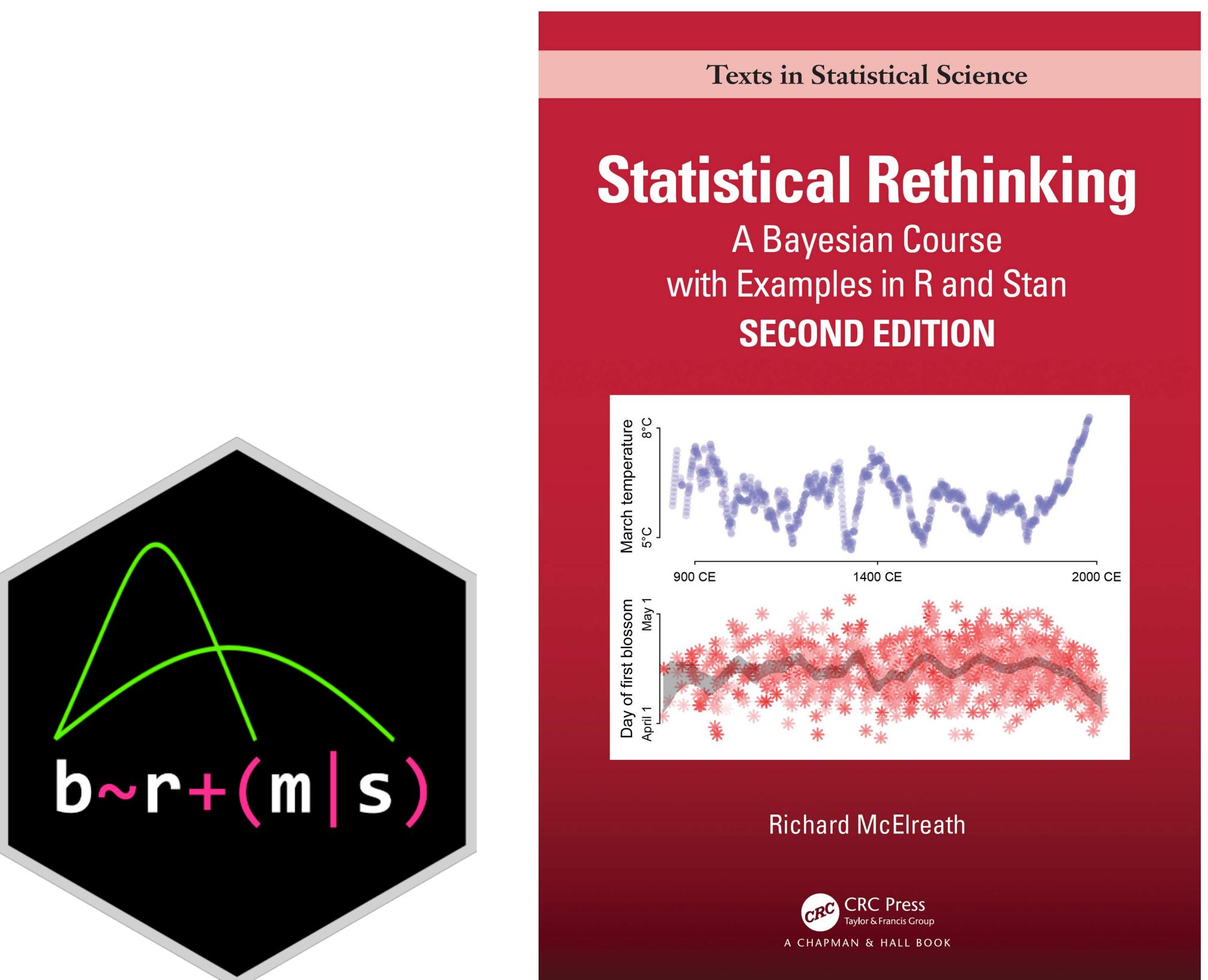
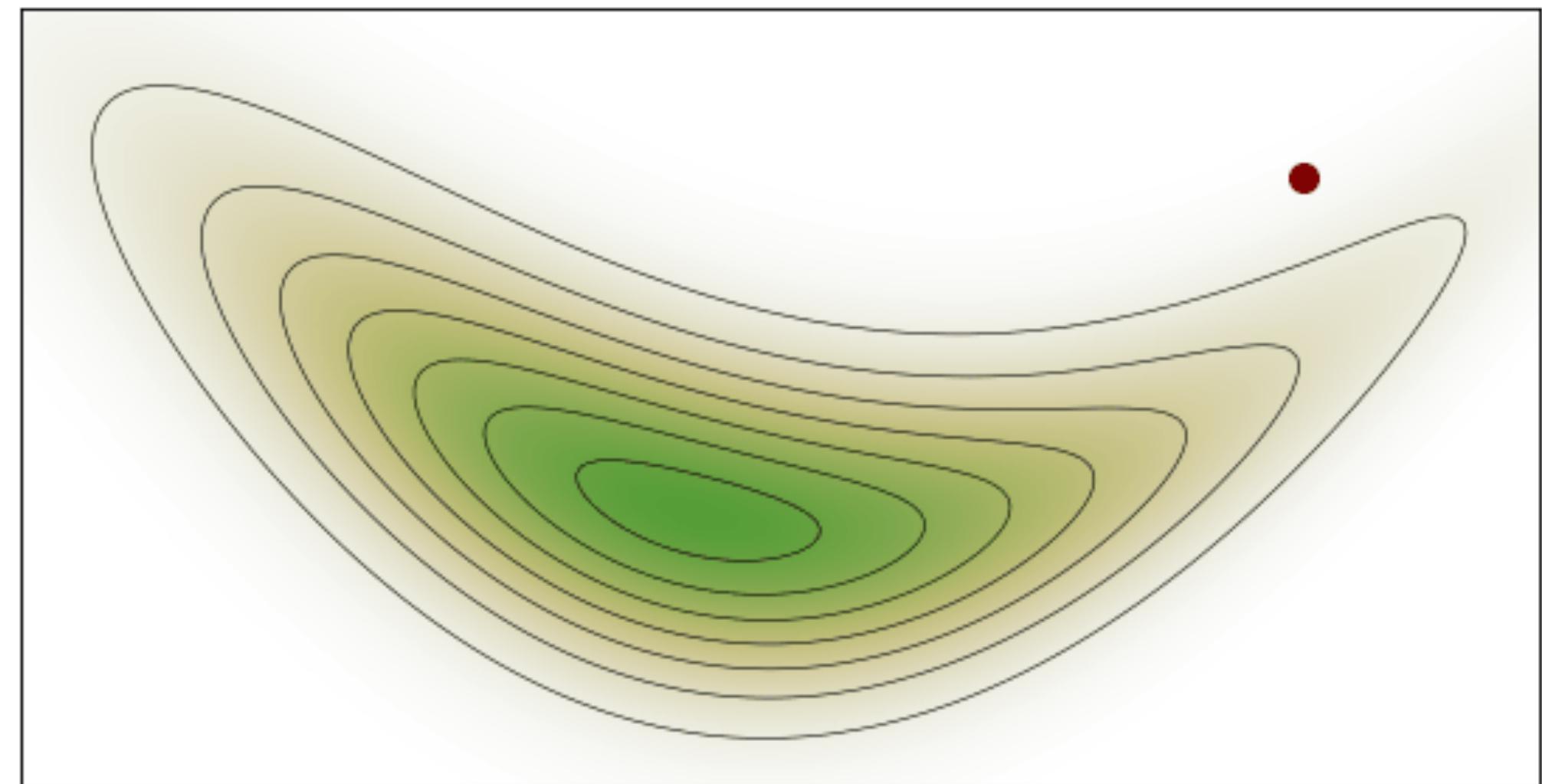
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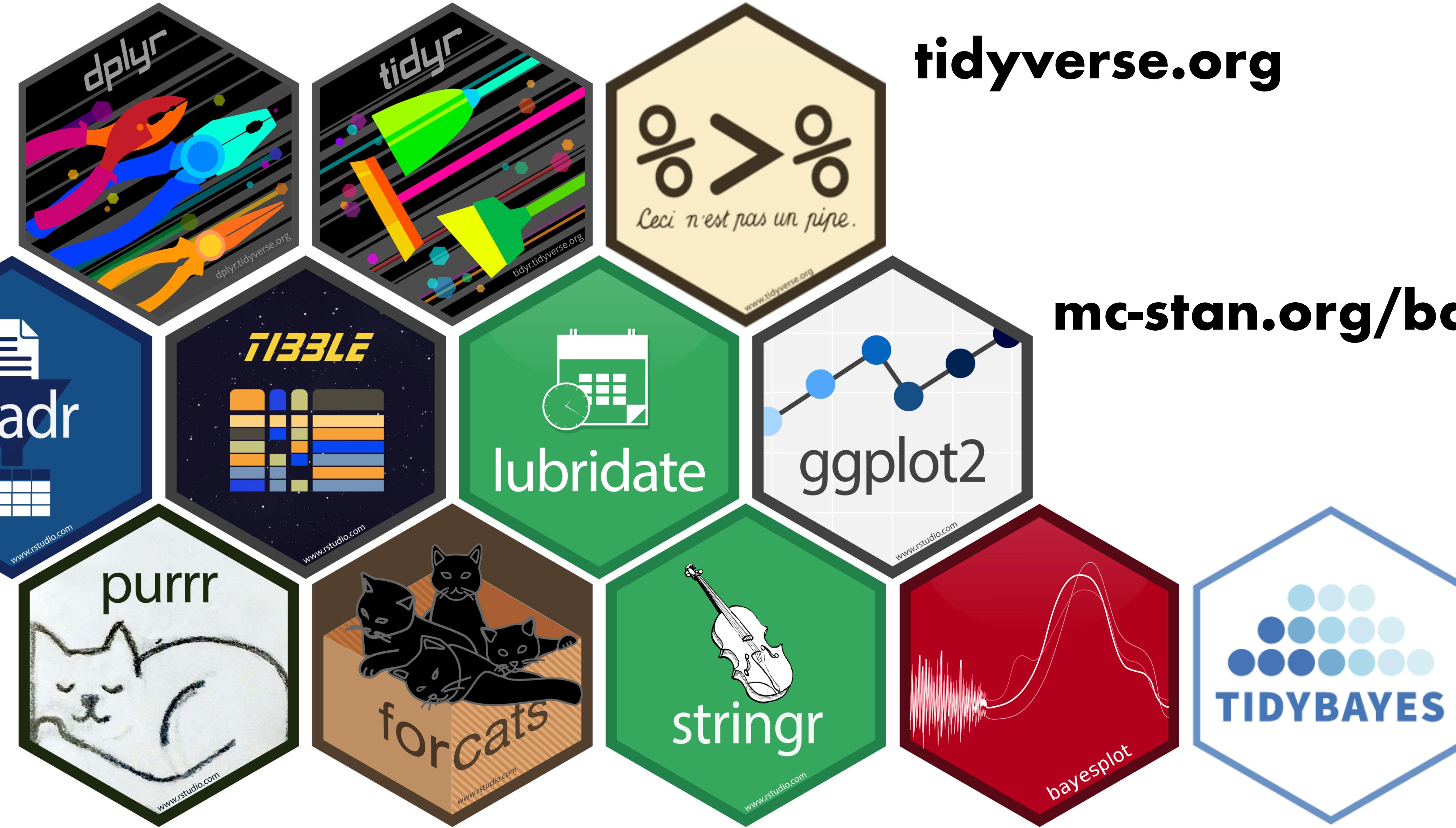
tidyverse.org





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mjskay.github.io/tidybayes

tidyverse.org

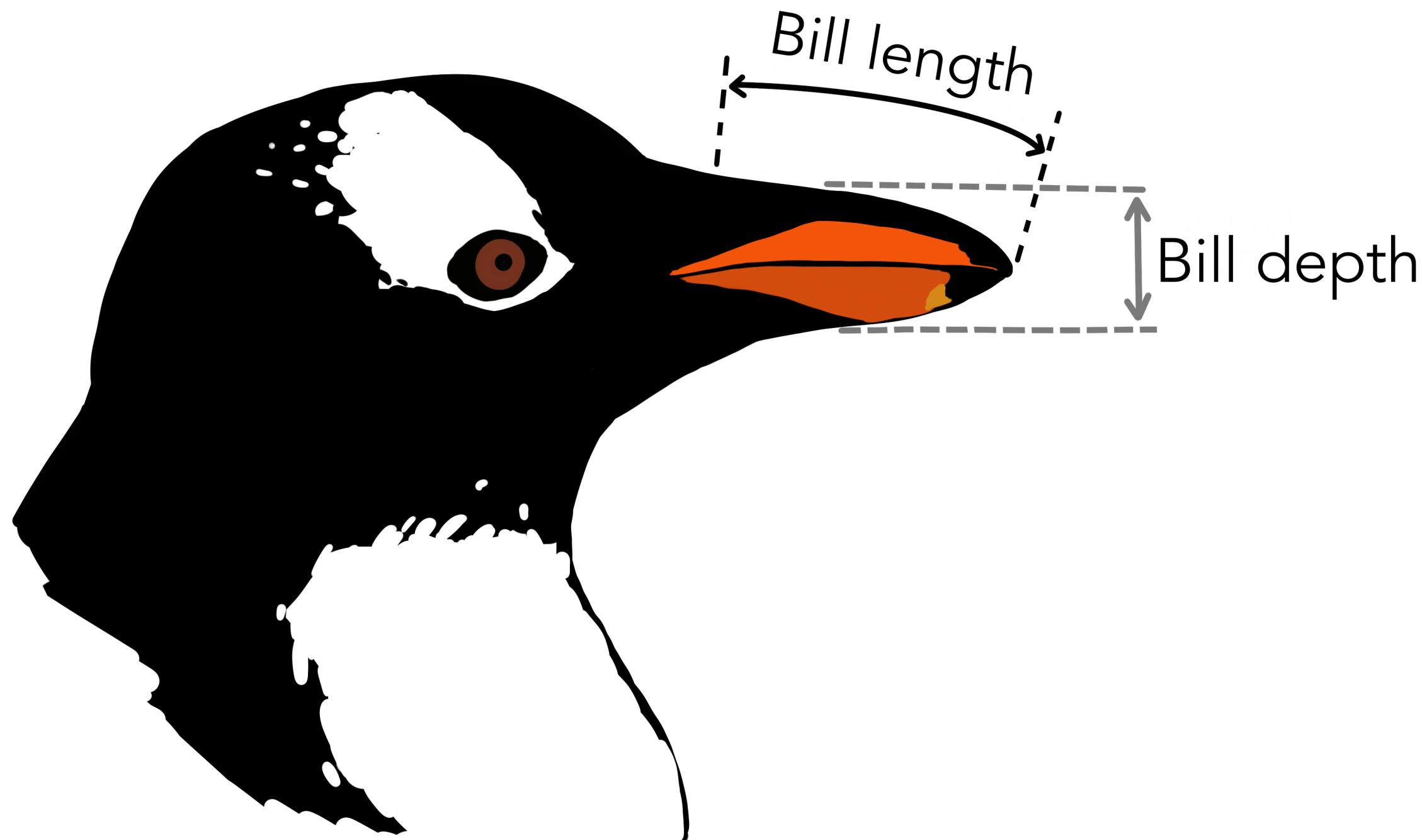
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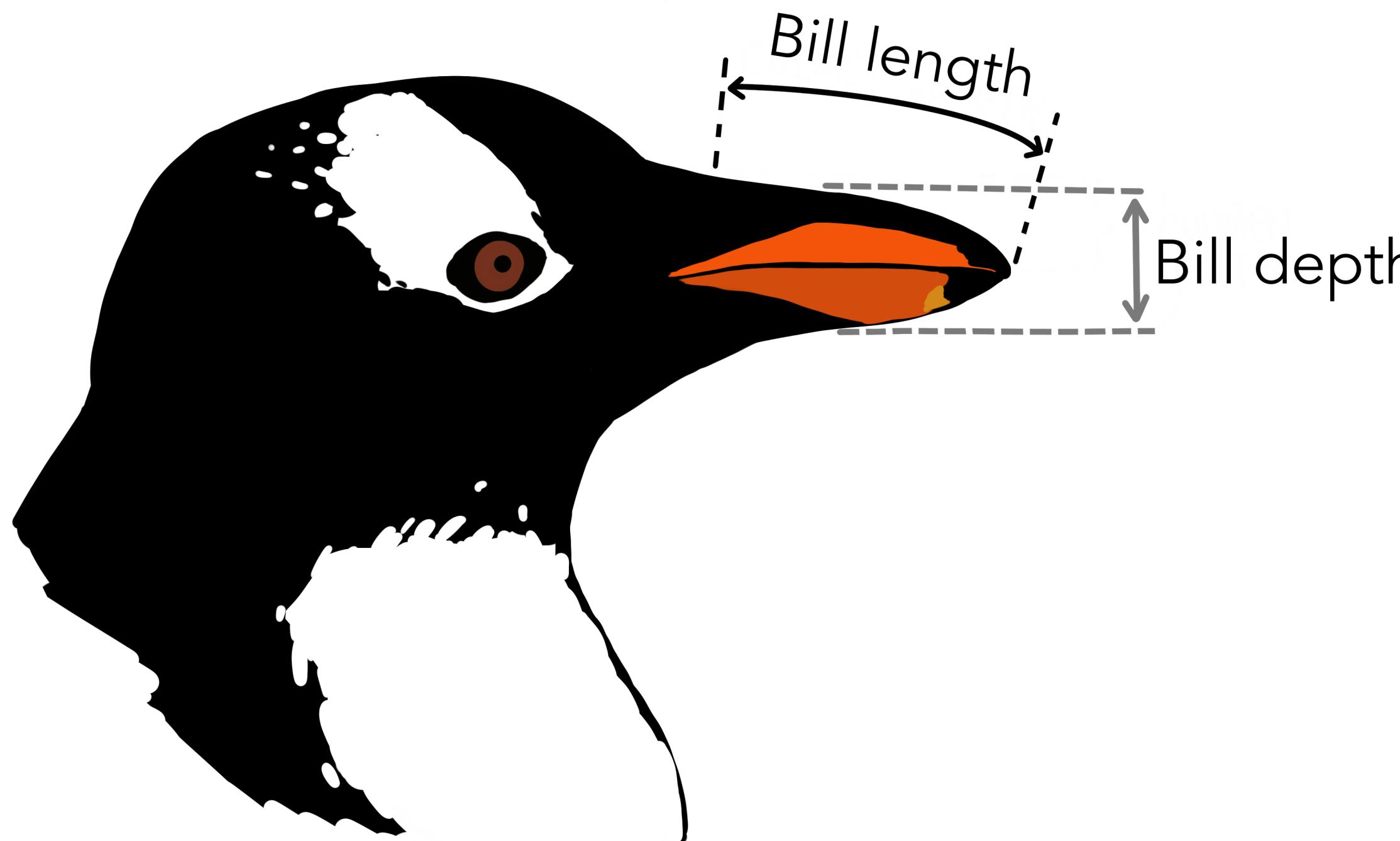


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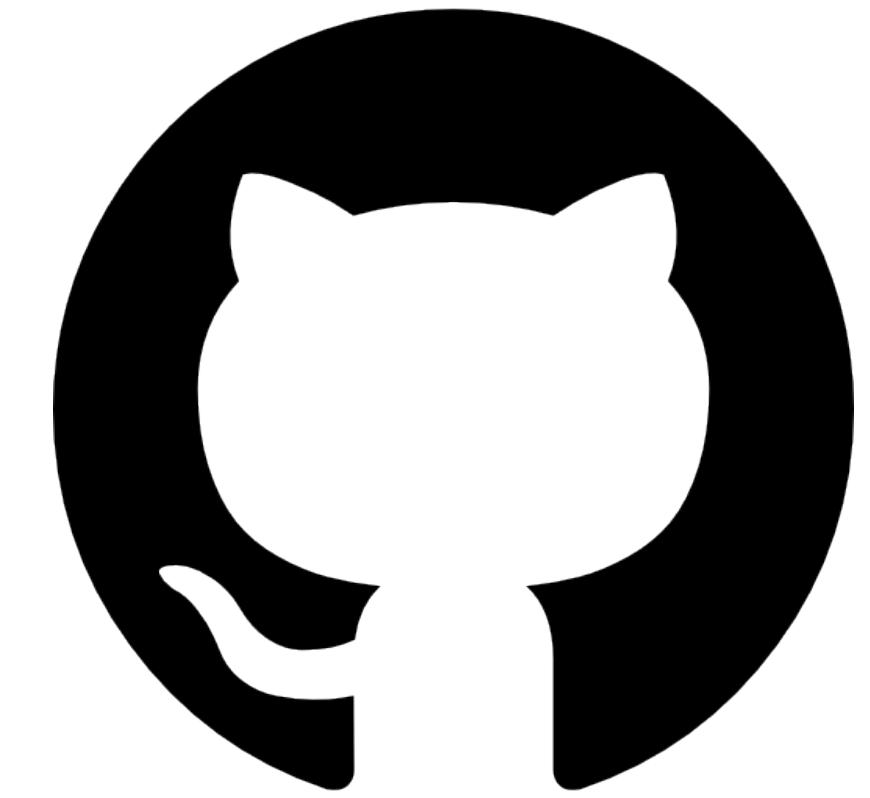
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CHINSTRAP!

GENTOO!

ADÉLIE!





Let's start coding!
github.com/lukaseamus/peng-bayes

- 1. Install Stan**
- 2. Load data and reformat for Stan**
- 3. Simulate priors**
- 4. Write Stan model**
- 5. Run Stan model with CmdStanR**
- 6. Perform model and prior-posterior checks**
- 7. Visualise predictions**