PBIO 294 In Class Evaluation 8 Nov 2017

Chapter: K 14 Stan

Name:

1. Stan is named after which of the following? 2 points.

* 1. Stanford University (because it was developed there).
  2. Stanislaw Ulam (a pioneer of Monte Carlo methods)
  3. For the benefit of the glorious nation of *Kazakh****stan***
  4. Sampling Through Adaptive Neighborhoods
  5. b or e (it’s not clear which origin is correct)

2. Stan utilizes Hamiltonian Monte Carlo (HMC) sampling. 2 points.

True or False.

3. Which of the following are valid code blocks in Stan? Circle all that apply. 1 point each for correct answers, - 1 point for incorrect answers.

Data

Transformed data

Parameters

Transformed parameters

Model

Generated quantities

Plots

4. The ordering of the code does not matter in Stan. 2 points.

True or False.