Data Science

- Data Science
- Foundations of Data Science (2020–2018)

Stochastic processes

Probability Models

- Mock Exam1

Bayesian

- Mock Exam2

- y2019p6q7

Inference

- Mock Exam3

- y2020p6q8

    - Inference for significance
        - parametric resampling
        - multiple unknown parameters' MLE
            - use the entire dataset (Multinomial)
        - one-sided test versus a two-sided test, p-value
    - linear vs count-based model

MC

- Mock Exam4

- y2020p6q7

    - Matrix P, π. Detailed balance equations.
    - posterior ω, pseudocode
    - posterior confidence interval $prior_{sample}(F_\omega < 0.025, F_\omega > 0.975)$