META

Markov Chains, Continuous Probability, Conditional Expectation

1   General Comments

- Gauge calculus understanding and do a calculus review if necessary, especially integration (differentials (i.e. dx)). A conceptual review would be nice.

- Highlight the analogs in discrete probability.

  - Problems 1,2, and 3 in 1.1 are good for this.

- Make sure they understand the difference and the relation between a PDF and a CDF.

- Problem 5 in 1.1 is a solid "test your students' understanding" type question.

- Drawing out diagrams of the distributions might help.

  - Especially normal distributions.

2   Questions