BANA4095: Decision Models – 2021 Spring Exam 1 Review



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Exam 1

- Thursday, February 11th, 12:00pm 1:50pm
- · Open book, open notes
- All material covered since first day of class
- Modeling and analysis for two problems
 - » One Excel and one using Python/Jupyter

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Study Tips

- · Review lecture materials and readings
- Review feedback on homework assignments
- Re-work class examples and homework problems
- · Additional practice problems posted in Canvas

Course Topic Review

- Decision Modeling
 - » DM Process
 - » Decomposition
 - » Influence Charts
 - » Interpretation & Application
- Spreadsheet Design Principles
- Python Coding
 - » Basic Concepts
- » Jupyter Notebook
- · Parametric Analysis
 - » Excel Data Tables and Python

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Monte Carlo Simulation

- Probability Distributions
- Output Analysis
 - » Histogram and Statistics
 - » Estimating Probabilities/Proportions
 - » Confidence Intervals
- Simulation Parameter Analysis
- Stochastic Optimization
- Value of Perfect Information

Practice Problems

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