Probability and Statistics for Computing

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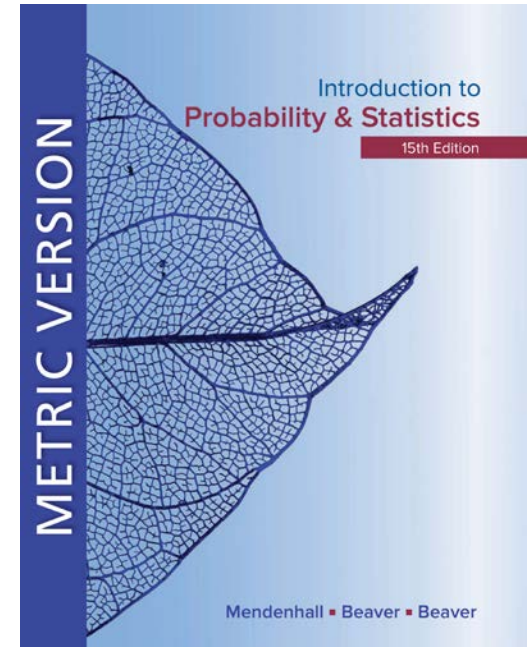- Email: adamskong@ieee.org (Email Title CZCE2100)

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Textbook

Introduction To Probability And Statistics Metric Edition 15th Edition
William Mendenhall| Robert J. Beaver| Barbara M. Beaver
SBN-13: 9780357114469 | ISBN-10: 0357114469
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Contents

- Sampling Distributions

- Large-Sample Estimation

- Large-Sample Tests of Hypotheses

- Inference from Small Samples (not included in the quizzes)

Assessment

- **Part 2 Quiz 1: 25%**
  - Dates: 29 Oct, 9:30am, Friday
  - Duration: 50min
  - Topics: Lecture 7 Sampling distribution and Lecture 8 Large-Sample Estimation
  - 10 questions, close book

- **Part 2 Quiz 2: 25%**
  - Dates: 12 Nov, 9:30am, Friday
  - Duration: 50min
  - Topics: Lecture 9 Large-Sample Tests of Hypotheses Part 1 & 2.
  - 10 questions, close book

Questions to be answered

▸ Company A said that their vaccine is 70% effective and company B said that their vaccine is 58% effective? Does it mean that vaccine A is more effective than B?

▸ A survey shows that 55% interviewees support candidate A and another survey shows that 49% interviewees support candidate B. Does it mean that candidate A will win the election?

Questions to be answered

▸ How large is large?

▸ How bad is bad?

▸ How good is good?

▸ How small is small?

▸ How smart is smart?

▸ How handsome is handsome?

▸ How strong is strong?

▸ How rich is rich?

▸ How poor is poor?

Read the notes before every lecture