

Probability and Statistics I

STAT 3600 – Fall 2021

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Chapter 5. Distributions of Functions of Random Variables

- § 5.1 Functions of One Random Variable
- § 5.2 Transformations of Two Random Variables
- § 5.3 Several Random Variables
- § 5.4 The Moment-Generating Function Technique
- § 5.5 Random Functions Associated with Normal Distributions
- § 5.6 The Central Limit Theorem
- § 5.7 Approximations for Discrete Distributions
- § 5.8 Chebyshev Inequality and Convergence in Probability**
- § 5.9 Limiting Moment-Generating Functions

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