

# Exam 2 overview

EEL 3850 S 25

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# Topics

- Decision rules: MAP, MLE, the probability of error of decision rules.
- Discrete random variables: definitions, probability mass function, cumulative mass function, important discrete RVs
- Continuous random variables: definitions, probability density function, cumulative density function, important continuous RVs
- Property of expectation and variances,
- Central limit theorem
- Application of CLT in estimation of mean, variance, and confidence interval.