



# Satuan Acara Pengajaran

ECEU601200 - Statistika Ekonomi dan Bisnis

Pengajar

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## Minggu 1

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**Materi** Introduction and Descriptive Analysis I

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**Media**

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**Referensi**

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**Aktivitas**

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## Minggu 2

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**Materi** Central Tendencies&Dispersion  
- Arithmetic mean, geometric mean, median, mode, weighted arithmetic mean  
- Standard Deviation and variance  
- Coefficient of Variation  
- Quartile, Decile, and Percentile

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**Media**

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**Referensi**

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**Aktivitas**

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## Minggu 3

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- Materi** Descriptive Analysis II: Displaying and Exploring Data
- Dot plots
  - Stem-and-Leaf Displays
  - Box Plots
  - Outliers
  - Scatter Diagram
  - Contingency Table
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**Media**

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**Referensi**

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**Aktivitas**

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## Minggu 4

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- Materi** Index Numbers
- Simple Index, Aggregate Index
  - Weighted Indexes
  - Nominal and real value
  - Changing the base year
  - Economic Application
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**Media**

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**Referensi**

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**Aktivitas**

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## Minggu 5

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- Materi** Probability Concepts (1)
- Probability Rules
  - Basic Concept of Probability, permutation and combination
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**Media**

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**Referensi**

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**Aktivitas**

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## Minggu 6

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- Materi** Probability Concepts (2)
- Joint Probability
  - Conditional Probability
  - Expected value and payoff tables
  - Tree Diagram
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**Media**

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**Referensi**

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**Aktivitas**

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Minggu 7

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- Materi** Probability Distribution
- Discrete and Continuous Random Variable
  - Mean and Variance of Probability Distribution
  - Binomial Probability Distribution
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**Media**

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**Referensi**

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**Aktivitas**

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Minggu 8

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- Materi** Other Discrete Distributions
- Poisson Probability Distribution
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**Referensi**

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**Aktivitas**

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Minggu 9

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- Materi** Continuous Distribution
- Uniform Distribution
  - Normal Probability Distribution
  - Normal Probability Distribution as approximation of Binomial and Poisson Probability Distribution
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**Media**

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**Referensi**

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**Aktivitas**

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Minggu 10

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**Materi** Sampling Distribution  
- Introductions to Sampling Methods  
- Introductions to Sampling Distributions  
- Sampling Distributions of the sample Mean  
- Sampling Distributions of the sample Proportion

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**Media**

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**Referensi**

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**Aktivitas**

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Minggu 11

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**Materi** Inferential Statistics: Interval Estimation  
1. Introduction to inferential statistics (mean and proportion):  
(a) Point estimation  
(b) Interval estimation

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**Media**

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**Referensi**

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**Aktivitas**

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Minggu 12

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**Materi** Inferential Statistics: Interval Estimation  
2. Determining the sample size: Mean and Proportion

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**Media**

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**Referensi**

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**Aktivitas**

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## Minggu 13

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**Materi** Hypothesis Testing (1)  
- Hypothesis-Testing Procedure  
- Hypothesis Testing of Arithmetic Mean

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**Referensi**

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**Aktivitas**

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## Minggu 14

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**Materi** Hypothesis Testing (2)  
- Hypothesis Testing of Proportion  
- Type I and type II errors  
- Final review

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**Media**

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**Referensi**

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**Aktivitas**

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