Topic Coverage For Each Test

Total Questions For the Semester: 200 Word Problem Questions and 143 Theory Questions
Minimum of 36 tests to a maximum of 108 tests this semester

Hypothesis Testing

Test 1: Total – 53 Questions out of 109 questions
28 questions pooled from 67 questions

Hyp Test A (8 from 27)
- Type 1 and 2 Errors
- One Proportion (P-value Approach)
- One Proportion (Critical Value Approach)

Hyp Test B (10 from 23)
- Two Proportions
- One Mean
- Two Means (Independent)
- Two Means (Paired)

Hyp Test C (10 from 16)
- Goodness of Fit
- Independence
- Homogeneity
- Anova

Hypothesis Test (THEORY): 25 Questions pooled from 42 questions

Confidence Intervals

Test 2: Total – 62 Questions out of 118 questions
37 Questions pooled from 93 questions

CI Test A (9 from 25)
- One Proportion
- Two Proportions
- Sample Size

CI Test B (10 from 25)
- One Mean
- Two Means (Independent)
- Two Means (Paired)

CI Test C (10 from 16)
- Goodness of Fit
- Independence
- Homogeneity
- Anova

Confidence Interval Test (THEORY): 25 Questions from 25 questions
## Probability

### Test 3: Total – 49 Questions out of 119 questions

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Descriptive Statistics

**Test 4:** Total – 67 Questions out of 161 questions

42 Questions pooled from 85 questions

**Desc Test A (11 from 31)**

Components of a Study

Sampling Techniques

Experiment and Observational

**Desc Test B (10 from 22)**

Empirical Rule

Normal Model

Summary Statistics

Tables and Percentages

**Hyp Test C (10 from 16)**

Goodness of Fit

Independence

Homogeneity

Anova

**Prob Test (12 from 18)**

Basic

Tables and Conditional

Binomial

Sampling Distributions

**Descriptive Test (THEORY):** 25 Questions from 76 questions

Regression

**Test 5:** Total – 50 Questions pooled from 111 questions

**Reg Test (10 from 12)**

Regression

**Hyp Test A (8 from 27)**

Type 1 and 2 Errors

One Proportion (P-value Approach)

One Proportion (Critical Value Approach)

**Prob Test (12 from 18)**

Basic

Tables and Conditional

Binomial

Sampling Distributions

**Desc Test A (11 from 31)**

Components of a Study

Sampling Techniques

Experiment and Observational

**CI Test B (10 from 25)**

One Mean

Two Means (Independent)

Two Means (Paired)
FINAL (12 Tests Over 4 Days)

Hyp Test A (8)  Hyp Test B (10)  Hyp Test C (10)

CI Test A (9)  CI Test B (10)

Prob Test (12)

Desc Test A (11)  Desc Test B (10)

Reg Test (10)

Hypothesis Test (THEORY) (25)

Confidence Interval Test (THEORY) (25)

Descriptive Test (THEORY) (25)