Course Outline: 22:960:572 Statistics for Managers

Instructor

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Reference text


Grading Policy

Tests 1 and 2, 40% each; Class Participation, Projects and Homework 20%.

Schedule

<table>
<thead>
<tr>
<th>Session</th>
<th>Topic</th>
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| 1       | 1.-Basic Counting  
          | 2.-Basic Concepts of Probability  
          | 3.-Random Events and Logic |
| 2       | 4.-Basic Rules of Probability  
          | 5.-Conditional Probability  
          | 6.-Probability Mass Function |
| 3       | 7.-Expected Value  
          | 8.-Binomial Distribution |
| 4       | 9.-Poisson Distribution  
          | Take Home Test 1  
          | 10.-Normal Distribution  
          | 11.-Break-Even Analysis |
| 5       | 12.-Bayes Theorem  
          | 13.-Sample Histogram |
| 6       | 14.-Sample Quantiles and Boxplot  
          | 15.-Sample Mean and Variance  
          | 16.-Sampling Distributions |
| 7       | 17.- Hypothesis Testing  
          | 18.-Confidence Intervals  
          | Take Home Test 2 |