Probability: Interpretation

- Long run frequency

- Subjective belief

- Dutch Book Argument: Acceptable bet

Probability: Classical Problems

- Problem of Division
- Gambler's Ruin Problem
- St. Petersburg Paradox
- Secretary Problem
- Birthday Problem

Basic Probability Models

Math formulation, graphical Display and related toy problems

- Bernoulli: Binary outcome, coin toss

- Binomial, multinomial: Sum of coin tosses, Sum of dice tosses

- Normal: Measurement errors, average of indepdently identical random variab

What's ahead?

- GLM: Regression, ANOVA, ANCOVA
- GLIM: Logistic Regression, loglinear models
- Classification for dV2.1156 0 Td dte22 0 Td 5dV2