Discussion Points for Future of Bayes

Topics covered in EPIB-675 this year

- Basic Elements of Bayesian Analysis

- Bayesian Philosophy

- Simple Models (Normal, Binomial, Poisson, Beta, Gamma)

- Computation and Numerical Methods (R, Monte Carlo, SIR, Gibbs, WinBUGS)

- Bayesian Linear and Logistic Regression

- Bayesian analysis of Clinical Trials

- Hierarchical Models (Simple, Meta-Analysis, multi-level)

- Adjusting for Measurement Error

- Prior Selection and Elicitation

- Model Selection/Bayes Factors

- Adjusting for Missing Data

- Bayesian Sample Size

- Analysis of Diagnostic Tests

Discussion of Jim Berger Article

1. Amount of activity is increasing, difficult to keep track.

2. Types of Bayesian analyses:

    - Objective
    - Subjective
    - Robust
    - Frequentist-Bayes
    - Quasi-Bayes

3. Computing...many packages now available, both specialized and general.

4. What do you think of the future of Bayes in terms of your own use?