Lie Detection Outline

*Reading Faces*
Ekman Microexpressions
Facial Coding System Premises
Tip-offs in behavior, voice, facial expressions

*Brain Imaging*
Langleben fMRI Studies
Guilty Knowledge Test
  Rationale
  Procedure
  Results
  Problems

*Farwell “Brain-Fingerprinting”*
  P300 ERP
  Types of Stimuli: probes, target, irrelevant
  Basic Assumptions in guilty vs. innocent
  Results
  Use in Courtroom: Harrington vs. Iowa
  Problems