## Session 5: Verification and Analysis

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## Software Testing

- Social issues can be dominant factors (testers, management)
- Bug counts and rate of bug discovery can be misleading
- Role of human in testing process can be a significant supplement to automated/mechanical testing processes

- Model Checking and Interactive Systems
  - Has been used in analyzing several human-intensive systems
  - Good at exhaustive analysis and analysis of properties
  - Challenges
    - Large number of nonstandard interactive devices
    - Human behavior can be "nonstandard"
    - Multiple simultaneous sensory responses