

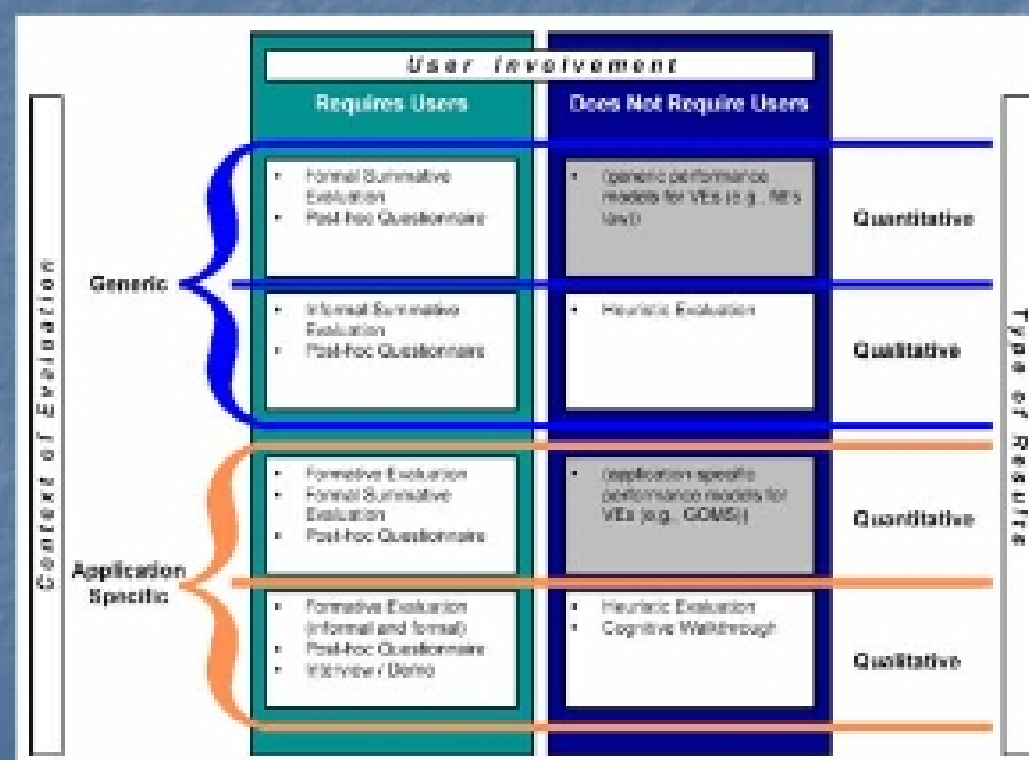
3D User Interface Evaluation II

Lecture #15: Evaluating 3DUIs – Part II

Spring 2008

Joseph J. LaViola Jr.

Usability Evaluation in 3DUIs



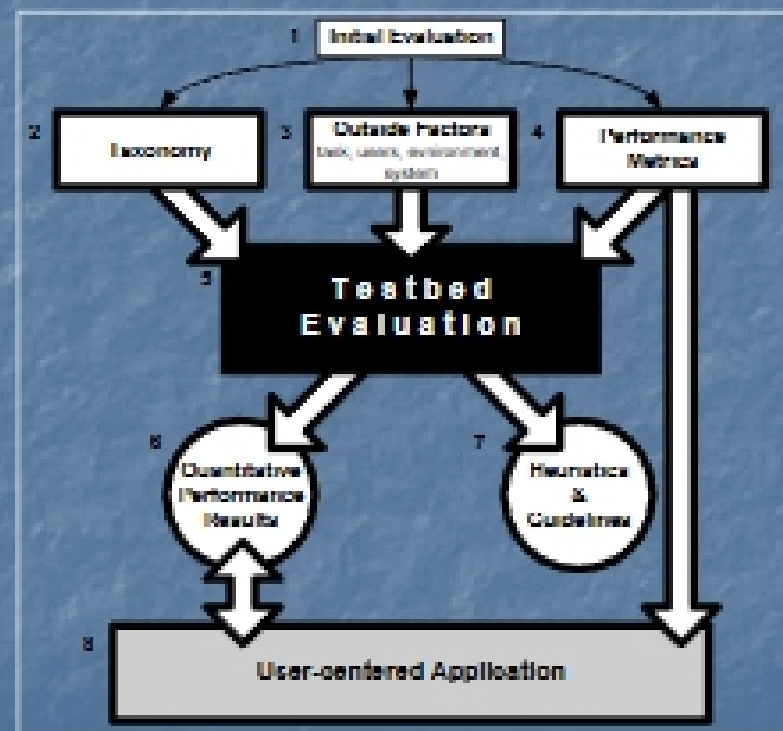
Classification Shortcoming

- Does not tell you “when” a method should be applied
- Does not tell you “how” to apply more than one method
- 3DUI evaluation models
 - Testbed evaluation
 - Sequential evaluation

Testbed Evaluation Framework

- Developed by Bowman and Hodges (1999)
- Empirically evaluate techniques outside of applications
- Components
 - initial evaluation
 - taxonomy
 - outside factors
 - performance metrics
 - testbed evaluation
 - application and generalization of results

Testbed Evaluation



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Testbed Evaluation – Initial Evaluation

- Gain intuitive understanding of generic interaction tasks and current technologies
- Experience and user observation
- Used for
 - building taxonomy
 - identifying outside factors
 - finding performance metrics

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