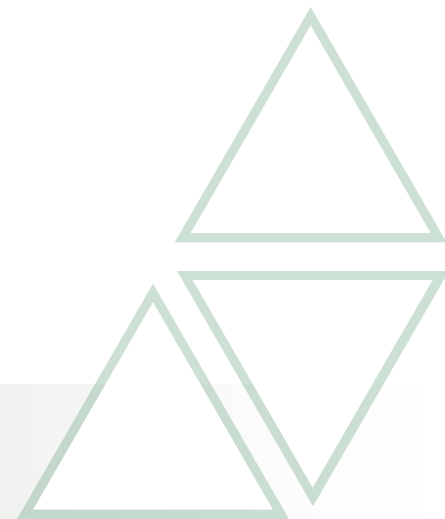


The Feasibility of Studying Decision Making Using a Virtual World Environment

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Background

- **Decision Making**
 - Rational
 - Intuitive/judgmental
- **Research Test Bed**
 - Real World
 - Naturalistic
 - Simulated

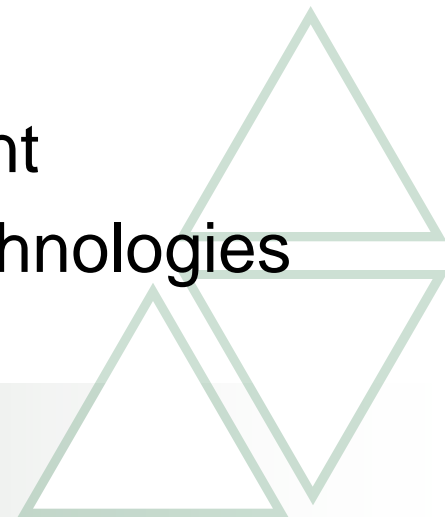


Border Crossing Checkpoint



Current Study Overview

- Review of Target Jobs and Available Technologies
- Selection of Job Activities and Development of Scenarios
- Identification of Performance Measurement Requirements
- Development of Measurement Tools and Procedures
- Development of Virtual World Environment
- Beta Test of VWE and Measurement Technologies



Development of Measurement Tools and Procedures

- Performance Measures
 - Computer-based
 - Observational
- Psycho-physiological Measures
- Self-report
 - Performance
 - Self efficacy
 - Decision styles
 - Experience



Summary and Future Directions

- **Short-term Goals**
 - Determine feasibility of VWE as test bed for studying decision making
 - Evaluate Feasibility of Measurement Approaches
- **Long-term Goals**
 - Extend Fidelity of WVE
 - Expand Job Domain
 - Develop more comprehensive approach to measurement
 - Develop better understanding of decision-making process

