

Deb Mayers



Is Virtual Reality an Effective Tool for Learning?

Deb Mayers

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- 1.) Scope and Definitions
- 2.) Difficulties and Benefits
- 3.) Does VR Increase or Inhibit Learning?
- 4.) My Study
- 5.) Conclusion
- 6.) Q&A, Discussion, and VR

Scope

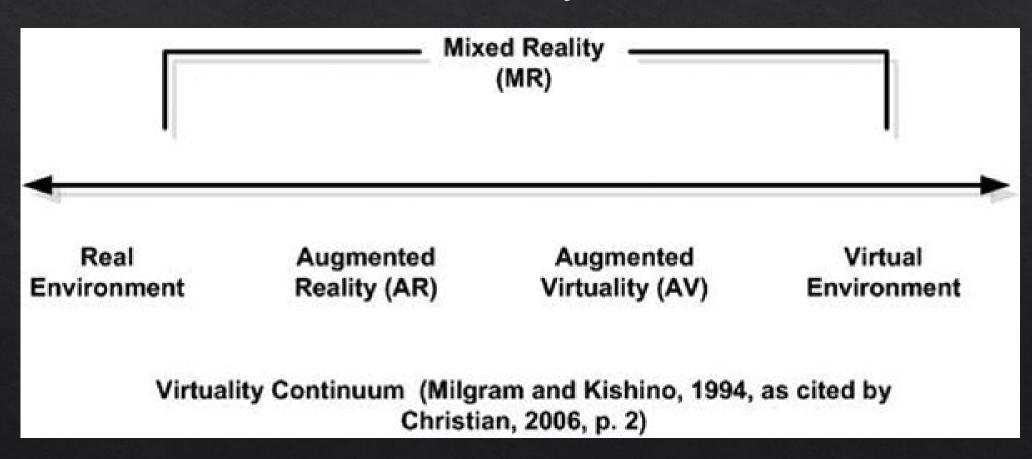
♦Brief overview of how VR is used for learning to look at effectiveness.

Does NOT include an in depth look at psychology, behavioural analysis, or learning pedagogy/theories.

Definitions

What is virtual reality?

Definitions-What is Reality, What is Virtual Reality?



Definitions

- What is virtual reality?
- What do we mean by learning?

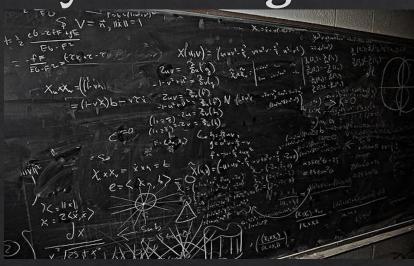
Definitions-What do we mean by learning?

- ♦ Direct Learning:

 - ♦ On the job
 - ♦ Physical
 - ♦ Training
- ♦ Indirect Learning:
 - ♦ Concepts
 - ♦ Theories









Definitions

- What is virtual reality?
- ♦What do we mean by learning?
- ♦Why use VR?

Jeremy Bailenson's reasons for VR experiences:

- 1.) Expensive
- 2.) Dangerous
- 3.) Impossible
- 4.) Rare

Difficulties

- **♦**Context
- &Cost |
- ♦Fear
- User's Preconceived Notions
- ♦No Benefit?

Benefits

- Engaging Experiences-Brings The Content To Life
- Relevance Of Experience
- Environment Reflect Topics
- Greater Focus on the Topic
- Control and Direct Manipulation
- Addition of Sensory feedback 'provide a multidimensional experience that can aid in cognitive processing and information retention.

Does VR Increase or Inhibit Learning?

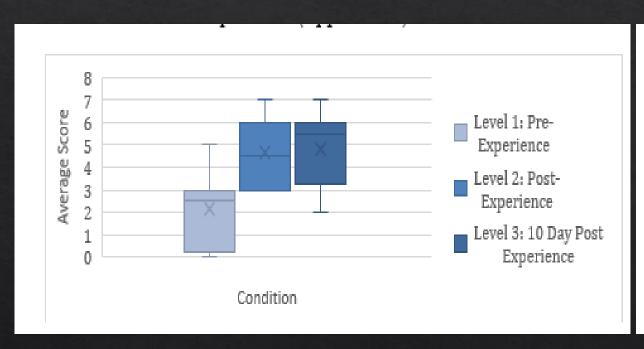
- ♦ Increases
- ♦ Inhibits
- ♦ Inconclusive

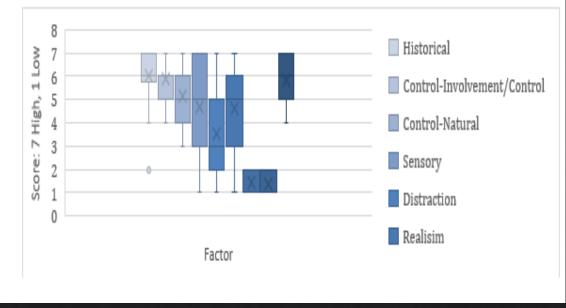
My Study



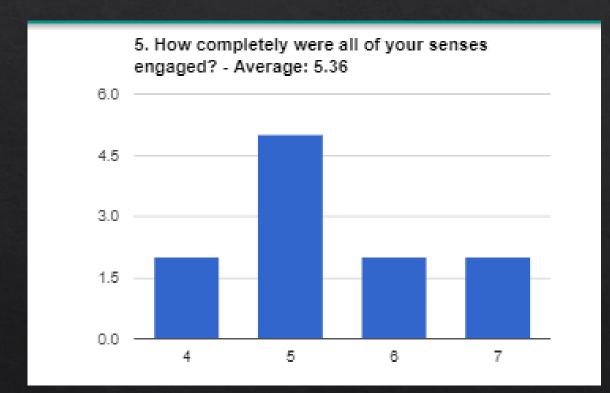


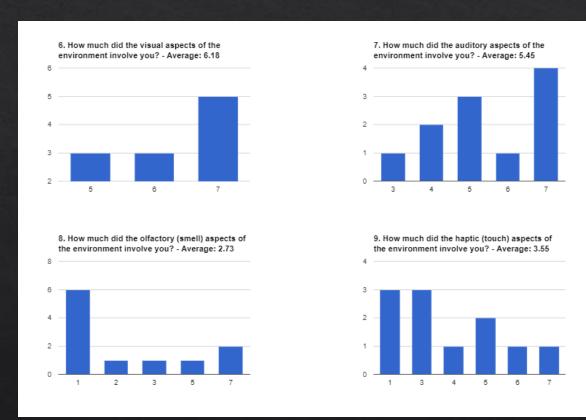
My Study





My Study



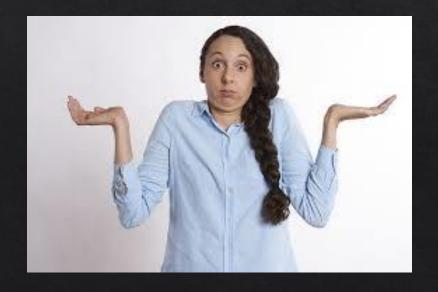


Conclusion

- Direct Learning
 - ♦ Experiential
 - ♦ On the job
 - ♦ Physical
 - ♦ Training



- ♦ Indirect Learning
 - ♦ Concepts
 - ♦ Theories
 - ♦ Non-Tangible





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