Develop Numeracy Skills to Dispel Math Myths

Zachary Ahearn (MA, PH), Suverino Frith (CS), James Mancuso (BME), Marcelino Puente-Perez (CS)
Advisors: Professor Joseph Beck (CS) and Professor Robert Traver (US)
PLA: Kyra Bresnahan (CS)

Problem
• Numeracy is considered only for those “born with mathematical ability”
• Hinders innovation in U.S. curriculum

Solution
• Video game
• Incorporates JUMP Math’s confidence building curriculum
• Fun and interactive way of presenting JUMP Math concepts

Pre-Test and Survey
• 7 Math questions
• 7 Survey questions

Game: Math Odyssey
• 4 Major levels
• Learning based game play

Post-Test and Survey
• 5 Math questions
• 11 Survey questions

Survey Data

Pre-Survey: Anyone can be good at math
- Agree
- Disagree

Post-Survey: Anyone can be good at math
- Agree
- Disagree

Conclusion
• Data suggests improved numeracy skills
• Survey data suggests the game was fun and interactive

References