

Student Names:

CS/Psych/EdPsych-770 Human-Computer Interaction, *Hands-on Activity*

## Measurement Basics

In this hands-on activity, you will reverse engineer a published paper to identify what measures were used and issues surrounding reliability, validity, and quality.

1. What **types of data** do the dependent variables involve? List and identify them.

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2. What **types of measurements** are taken? List and identify them.

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3. Are they taking steps to ensure **validity** and **reliability**? If so, identify.

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4. What are potential **problems** in validity and reliability in their design?

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5. Are they taking steps to reduce **measurement error**? If so, identify.

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6. What are potential **sources** of (systematic and random) error in their design?

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