

Relational Machines

Week 3: Measuring Interactions

Types of measures

- Self-report questionnaire
- Self-report interview
- Behavioral
- Physiological

Self-Report Questionnaire I

- Existing questionnaire? Or create your own?
- Finding a questionnaire to use
- Creating your own questionnaire

Self-Report Questionnaire II

- How long should it be?
- Administering a questionnaire
- Evaluating the responses

Questionnaire

Example I

- Three characters

Questionnaire

Example II

- Thesis Exp. II

Self-report Interview

- Creating the interview questions
- Administering the interview
- Evaluating the responses

Interview Example

- MERL Mel interview

Behavioral Measures

- What do you want to measure?
- How do you go about it?
- How do you evaluate it?

Physiological Measures

- These are difficult for the kinds of real-world interactions that most of us are going for in this work!
- What do you want to measure?
- Some of the problems with these measures
- How to evaluate the data

Physiological Example

- SCR

Integrated Example

- MERL Mel II

Your projects

- Recommended measures
- Choosing and designing appropriate measures
- Caveats
- Schedule for the next two months

This week

- Start working on designing your measures
- I will hold office hours to help:
 - Friday 1:00 - 3:00
 - Monday 10:00 - 2:00