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 1

• 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