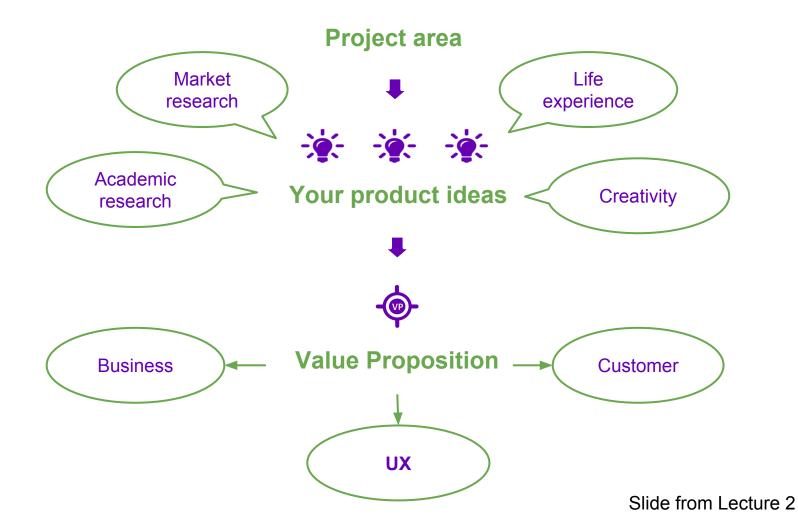
# CS449/649: Human-Computer Interaction

Spring 2017

Lecture IV

Anastasia Kuzminykh



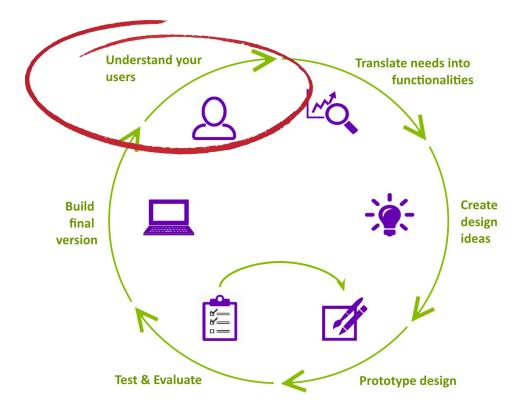


# Think about **purpose**, not technology

- allows you to **solve a problem**, not create a new one
- people need to know why they need your product
- features are useless without purpose



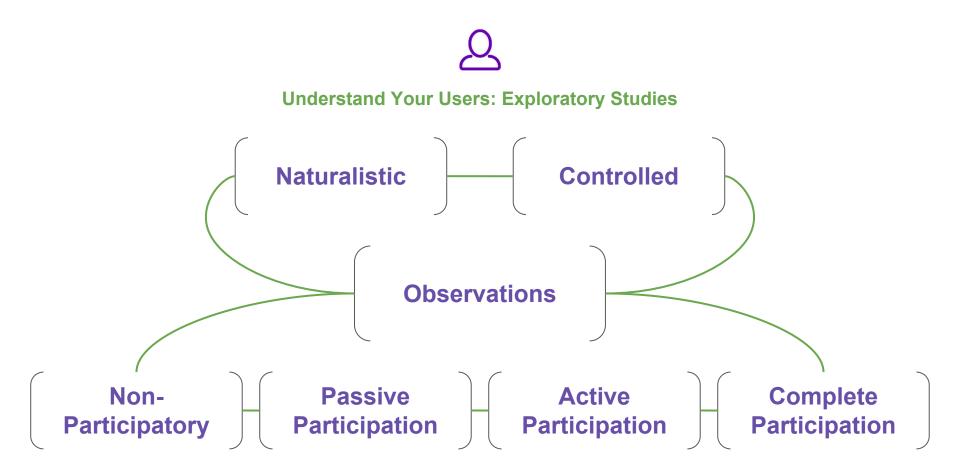
Richard A. Bolt (1979), MIT Media Lab. "Put that there" project

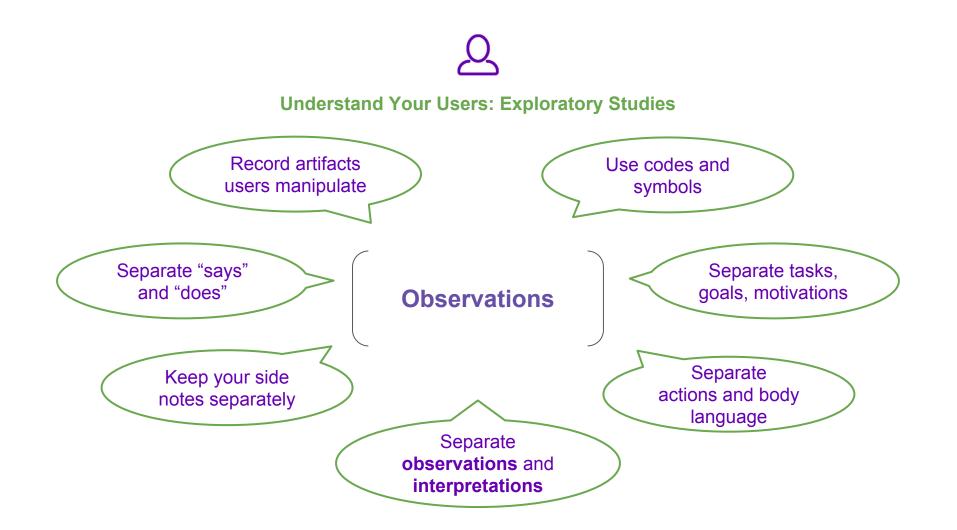




## **Understand Your Users: Exploratory Studies**



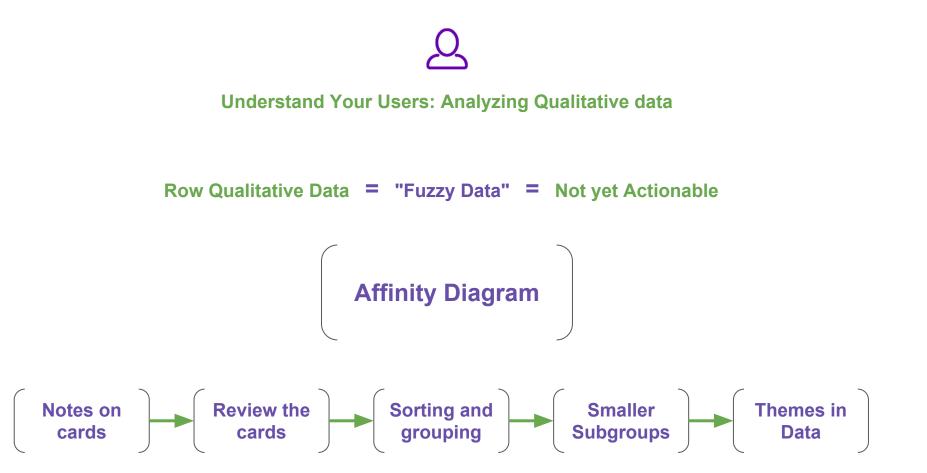




Observation 1 practice

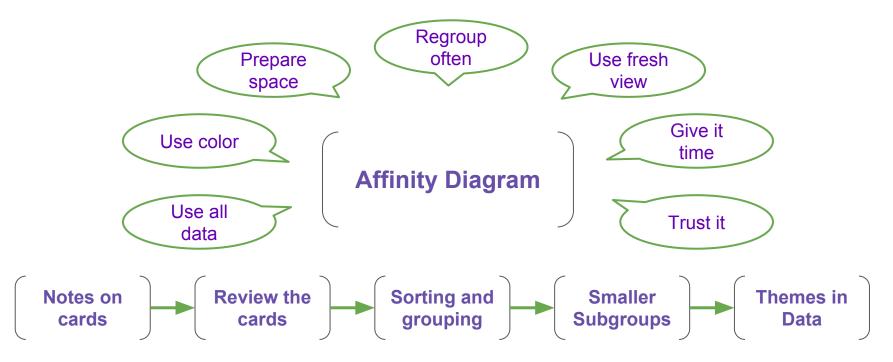
Observation 2 practice

Observation 3 practice





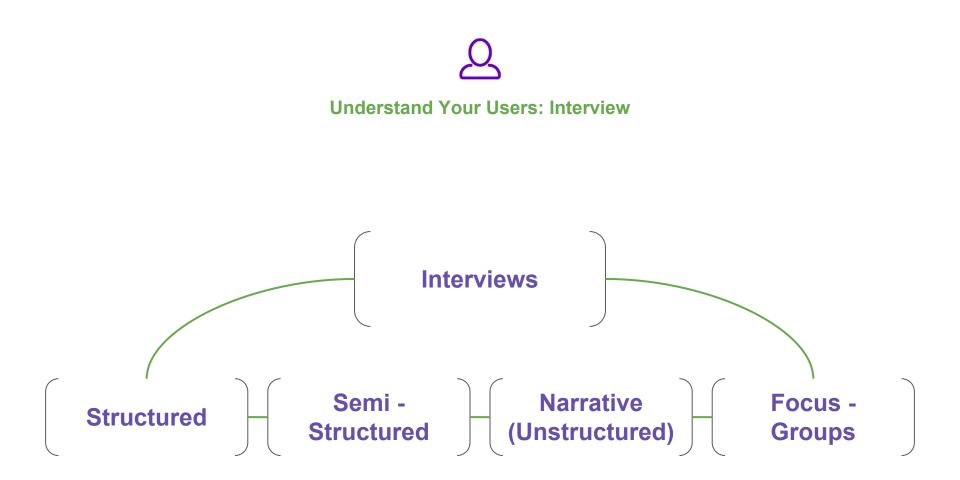
#### **Understand Your Users: Analyzing Qualitative data**





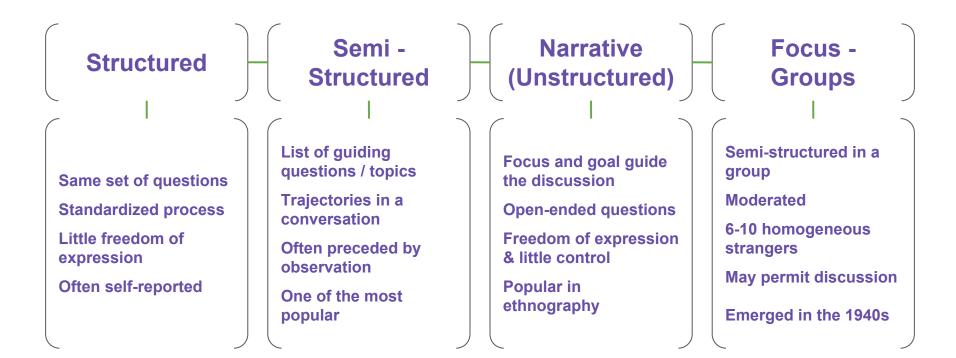
#### **Understand Your Users: Exploratory Studies**

Interviews





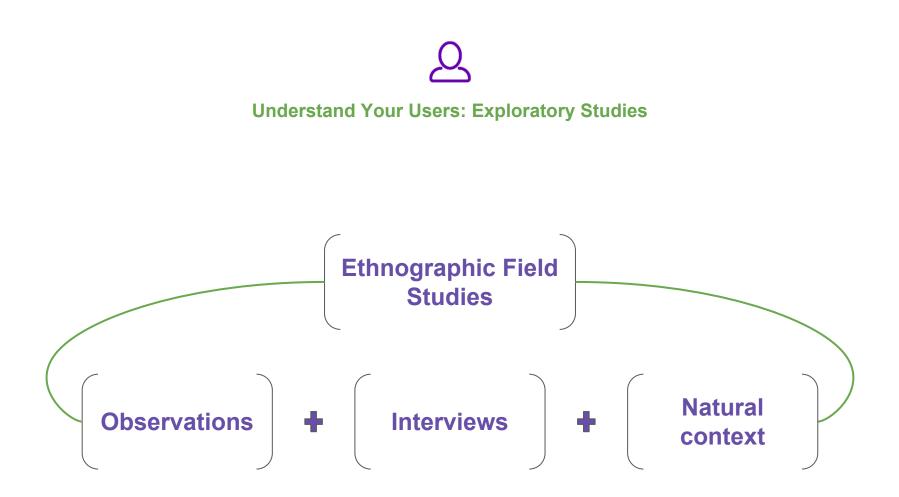
#### **Understand Your Users: Interview**

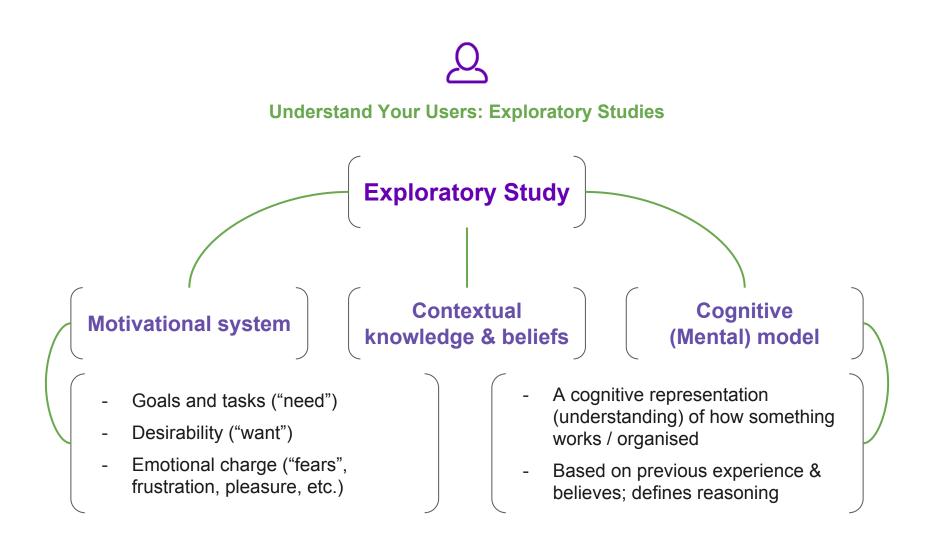




#### **Understand Your Users: Exploratory Studies**

Ethnographic Field Studies







### **Questions:**

- Exploratory study when, why, what we are looking for
- Cognitive (Mental) model
- 3 dichotomies of research methods and data triangulation
- Methods for exploratory study
- Surveys and questionnaires types of questions, advantages, disadvantages
- Observations types and how to conduct, advantages, disadvantages
- Interviews types and how to conduct, advantages, disadvantages
- Ethnographic field study & Contextual inquiry what is it, differences, similarities, how to conduct
- Working with qualitative data affinity diagrams (why we use ir and how to make)