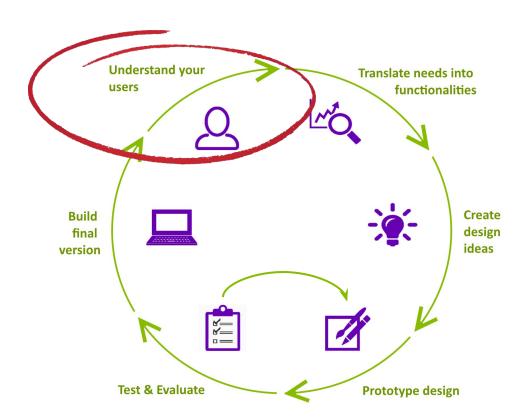
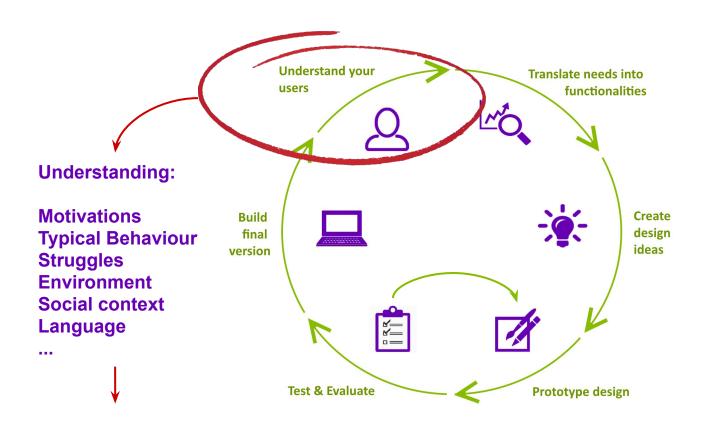
CS449/649: Human-Computer Interaction

Spring 2019

Lecture IV

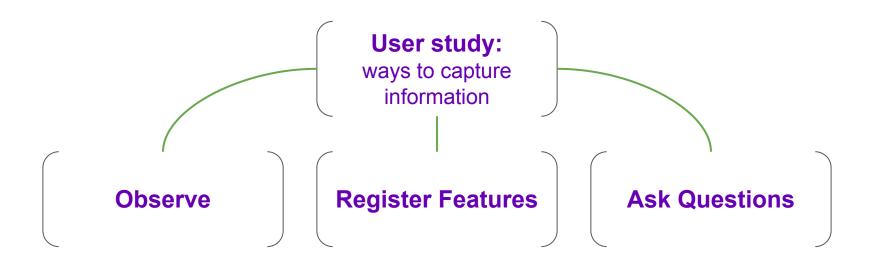


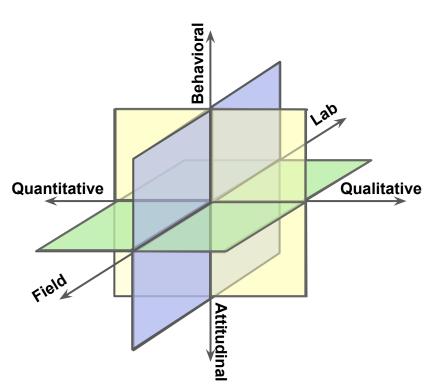


Exploratory Study



Understand Your Users





Quantitative

- Fixed & measurable reality
- Analyzed numerically and statistically

Field

- Natural Environment
- Uncontrolled

Behavioural

What people do

Qualitative

- Dynamic & descriptive reality
- Analyzed by themes

Lab

- Artificial Environment
- Well Controlled

Attitudinal

What people think / feel

Data Triangulation

- One question several methods
- Cross verification

Quantitative

- Fixed & measurable reality
- Analyzed numerically and statistically

Field

- Natural Environment
- Uncontrolled

Behavioural

What people do

Qualitative

- Dynamic & descriptive reality
- Analyzed by themes

Lab

- Artificial Environment
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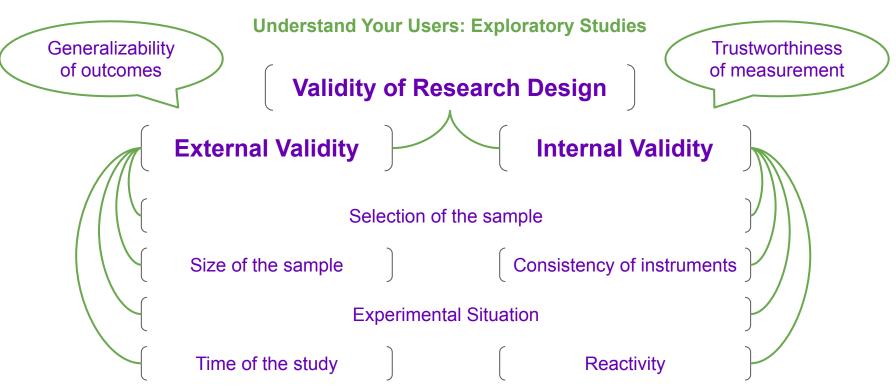
Attitudinal

What people think / feel

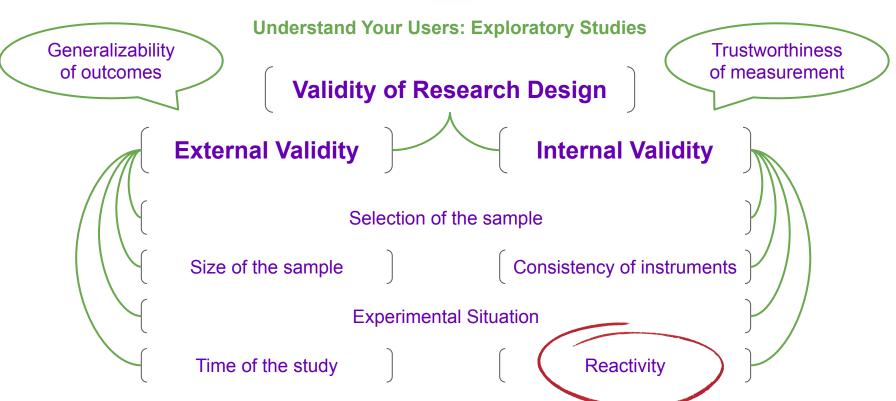




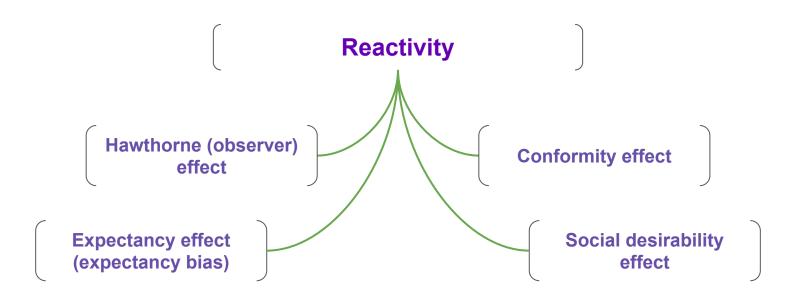




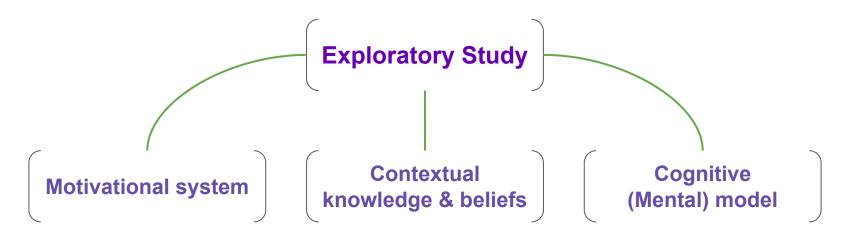




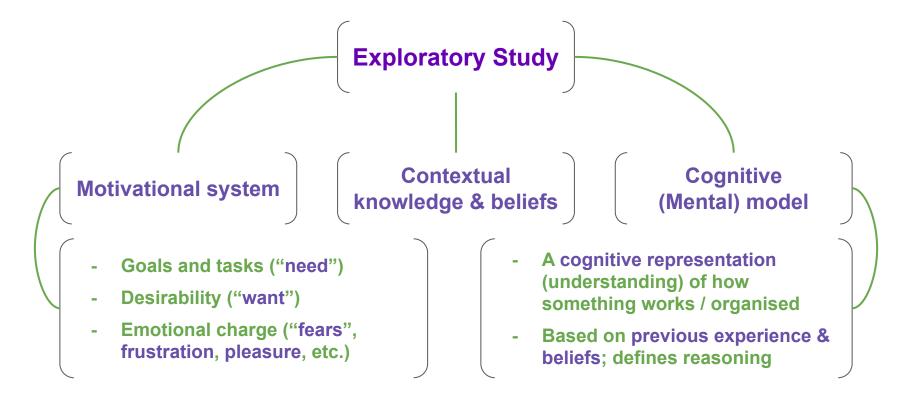




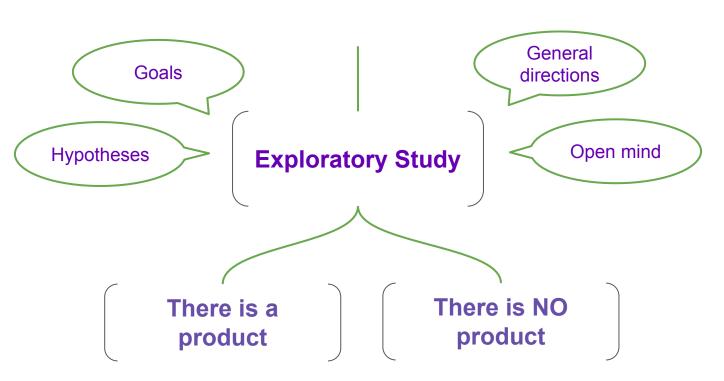














There is a product

- True-Intent Studies
- Remote Unmoderated Usability Studies
- Intercept Surveys
- Clickstream Analysis

- Questionnaires
- Observations
- Interviews

- Diary/Camera Studies
- Participatory Design

- Ethnographic Field Studies
- Contextual inquiry



- True-Intent Studies
- Remote Unmoderated Usability Studies
- Intercept Surveys
- Clickstream Analysis

- Ask about user's goals and/or intentions when they entering the service
- Track their subsequent behavior
- Ask if they were successful in achieving their goal

- Questionnaires
- Observations
- Interviews

- Diary/Camera Studies
- Participatory Design
- Ethnographic Field Studies
- Contextual inquiry



- True-Intent Studies
- Remote Unmoderated Usability Studies
- Intercept Surveys
- Clickstream Analysis

- Quantitative/qualitative automated method
- Captures behaviors (through software on participant device) and attitudes (through embedded survey questions)
- Usually includes goals/scenarios

- Questionnaires
- Observations
- Interviews

- Diary/Camera Studies
- Participatory Design
- Ethnographic Field Studies
- Contextual inquiry



- True-Intent Studies
- Remote Unmoderated Usability Studies
- Intercept Surveys
- Clickstream Analysis

- A survey triggered during the use of a product
- Usually very short

- Questionnaires
- Observations
- Interviews

- Diary/Camera Studies
- Participatory Design
- Ethnographic Field Studies
- Contextual inquiry



- True-Intent Studies
- Remote Unmoderated Usability Studies
- Intercept Surveys
- Clickstream Analysis

- Analyzing the record of elements that users clicks on/views, as they use a software product
- Requires proper software instruments / tools for telemetry data collection enabled

- Questionnaires
- Observations
- Interviews

- Diary/Camera Studies
- Participatory Design
- Ethnographic Field Studies
- Contextual inquiry