

Observations

Safety Expert

Benchmarking

Standards

Design Brief

0.0

Participant 1

Employing more diverse information sources was correlated

with less dependence on particular information source(s)

0.5

1-Skew_{norm}

particular information sources)

Participant 6

1.0

Parents / Teachers

Education Experts

Academic Literature

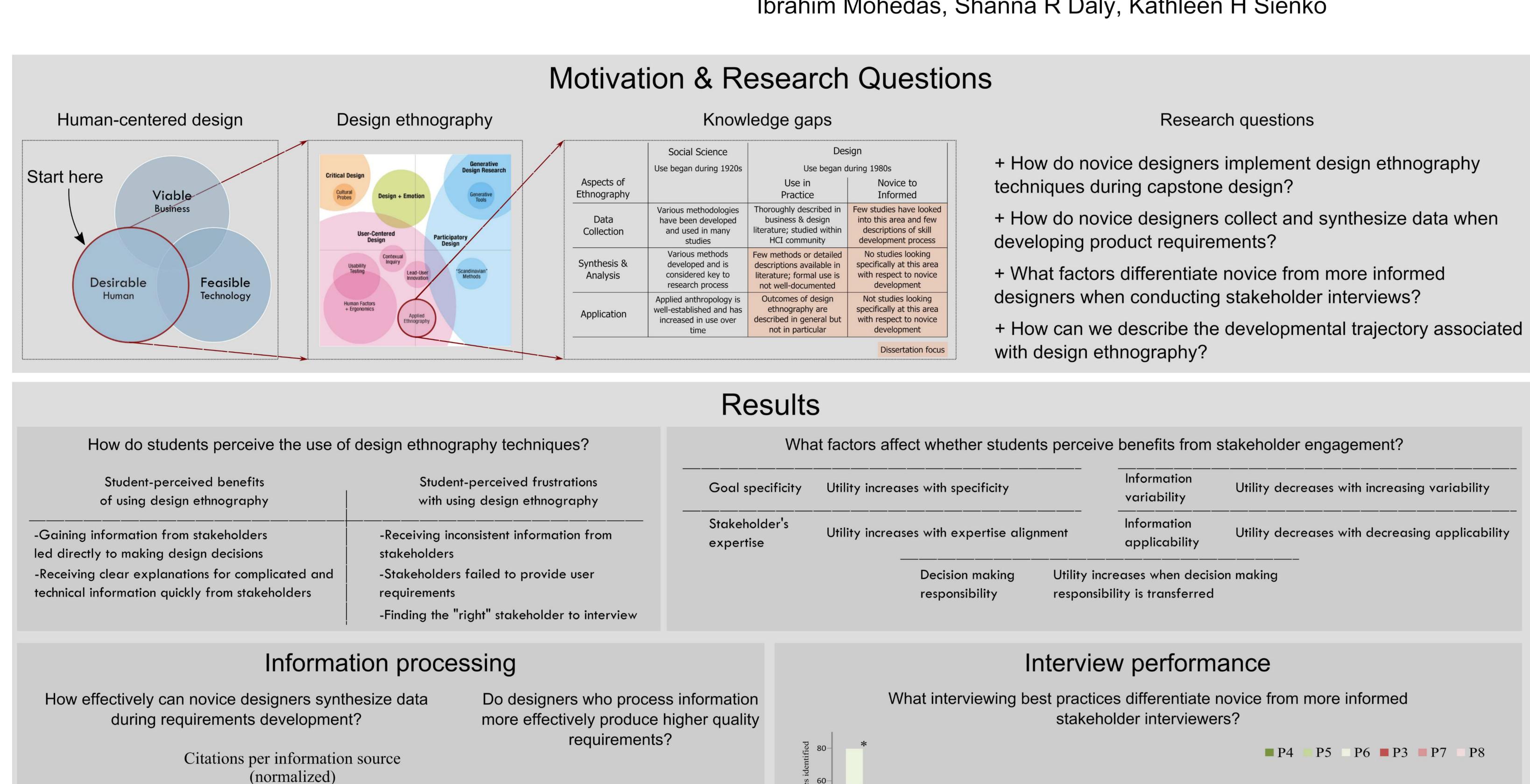
Online Resources

Given Resources

Stakeholder engagement during front-end design: Characterizing novice design practitioner behaviors



Ibrahim Mohedas, Shanna R Daly, Kathleen H Sienko



(2)

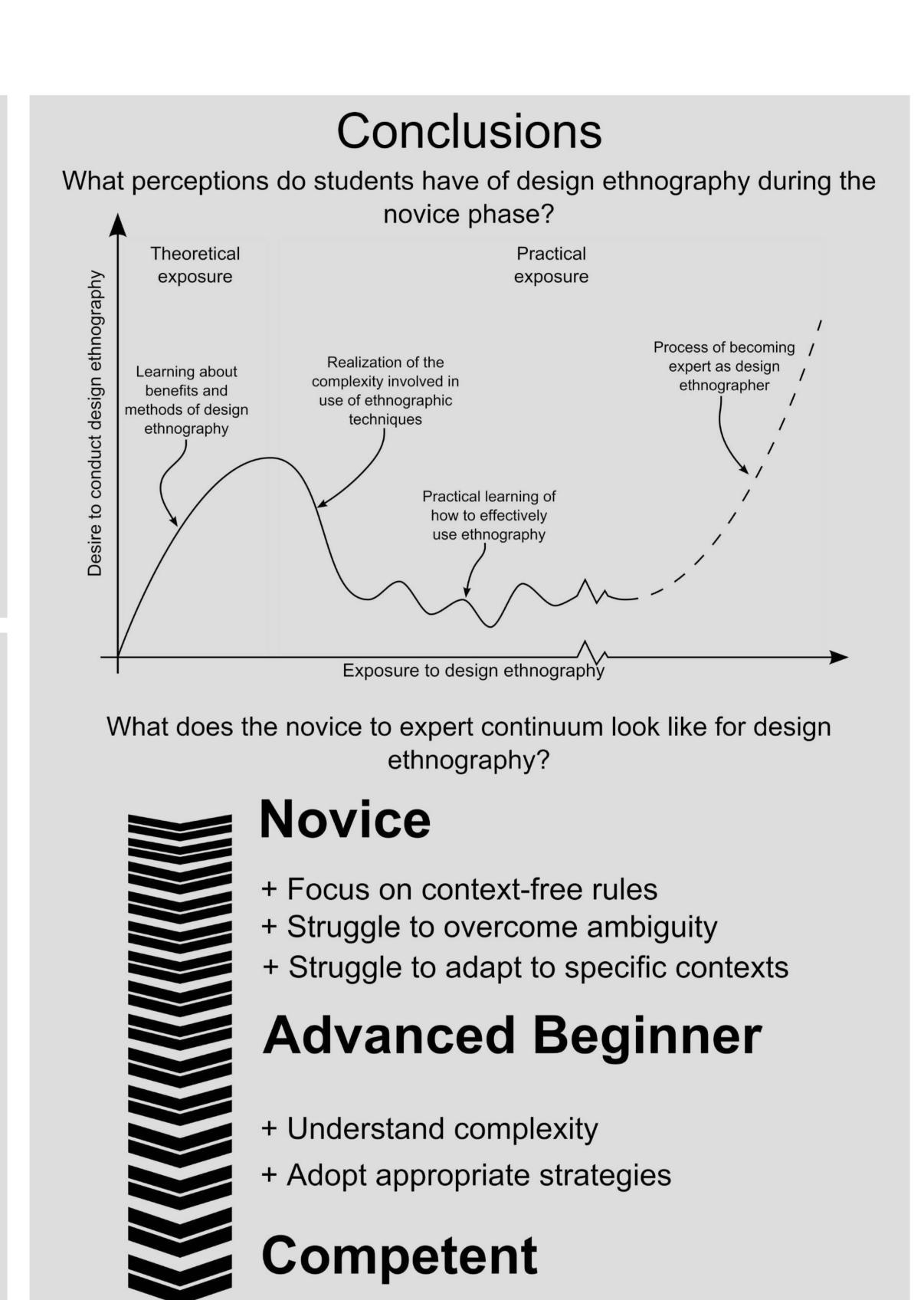
(2)

Number of distinct information sources cited

Number of distinct information sources cited

1-Skew_{norm}

What interviewing best practices differentiate novice from more informed P5 □ P6 ■ P3 ■ P7 □ P8 Novice designers use of interviews to elicit requirements varied dramatically ■P1 ■P2 ■P3 ■P4 ■P5 ■P6 ■P7 ■P8 Do higher quality interviews lead to the elicitation of information more relevant to requirements development? ◆P1 ■P2 ▲P3 ×P4 ×P5 ●P6 +P7 -P8 0.25 each bar represents a requirement developed **Interviewing performance [model coef.]** ■ more references = more relevant information elicited ■ more independent sources = more diverse perspectives gathered



Proficient

experience

+ Develop repertoire of prior

- + Relies on prior experience / intuition
- + Use experience to narrow focus

Expert

Future Work

What design ethnography techniques are most used within industry? In what contexts is it used?

What are the major differences between experts and novices when implementing design ethnography during front-end design phases?

How is design ethnography expertise developed within industry practices?