Regression Models: Predicting Iteration in Field Research Projects

	Research question b	p	Hypotheses b	p	Concepts b	p	Measures b	p	Case selection b	p	Iteration index b	p
All project locations are international	0.181	0.127	0.409	0.000***	0.108	0.323	-0.076	0.492	0.142	0.131	0.193	0.019*
Number of trips (log)	0.162	0.034*	0.204	0.002**	0.087	0.182	0.024	0.717	0.179	0.003**	0.156	0.001**
Total time-in-field (days, log)	0.105	0.008**	0.075	0.033*	0.113	0.001**	0.122	0.000***	0.123	0.000***	0.139	0.000***
% of project data coming from field	0.006	0.002**	0.004	0.030*	0.003	0.042*	0.009	0.000***	0.004	0.024*	0.007	0.000***
Project involved interpretive analysis	0.459	0.000***	0.302	0.001**	0.460	0.000***	0.062	0.504	0.195	0.025*	0.339	0.000***
Project involved qualitative analysis	0.403	0.002**	0.227	0.068	0.439	0.000***	0.292	0.023*	0.254	0.042*	0.425	0.000***
Project involved quantitative analysis	-0.165	0.127	0.218	0.027*	-0.077	0.433	0.664	0.000***	0.118	0.212	0.247	0.002**
Project involved archival research	0.123	0.237	0.148	0.101	0.125	0.16	0.102	0.272	0.010	0.907	0.116	0.107
Project involved interviews	0.343	0.003**	0.131	0.242	0.003	0.979	0.098	0.395	-0.188	0.091	0.048	0.622
Project involved ethnography or PO	0.024	0.835	0.055	0.578	0.124	0.213	0.160	0.11	0.197	0.032*	0.164	0.029*
Project involved survey research	0.119	0.303	0.108	0.32	0.299	0.006**	0.162	0.121	0.000	0.999	0.137	0.1
Project involved experiments	-0.193	0.378	-0.148	0.491	-0.006	0.978	0.126	0.549	0.181	0.339	-0.003	0.984
R is female	-0.045	0.662	0.077	0.423	-0.025	0.793	-0.013	0.89	-0.121	0.162	-0.028	0.71
R was faculty, not grad, at the time	0.097	0.321	0.073	0.357	0.151	0.052	-0.167	0.027*	0.008	0.916	0.046	0.433
Constant	-1.067	0.000***	-1.322	0.000***	-1.179	0.000***	-1.505	0.000***	-1.371	0.000***		
Cut-point 1 constant											0.407	0.019*
Cut-point 2 constant											1.033	0.000***
Cut-point 3 constant											1.628	0.000***
Cut-point 4 constant											2.126	0.000***
Cut-point 5 constant											2.911	0.000***
N	1190		1190		1190		1190		1190		1190	
Pseudo r-squared	0.142		0.082		0.100		0.136		0.063		0.071	

Notes:

Each observation is an individual field research project. As defined in the questionnaire: "By field research project, we mean an academic research project, of which field research is one component, aimed at producing scholarly work such as a conference paper, an article or set of articles, a dissertation, or a book."

Models are probit regressions (ordered probit for the iteration index regression)

The dependent variables for the five models shaded in green came from the following yes/no questions in the FRPS survey:

"Please indicate the tasks or analytic processes that the research you conducted in the field facilitated:

Developing or refining the research question

Developing hypotheses

Developing concepts

Developing measures or operationalizing concepts

Selecting cases"

The iteration index combines these five variables into a scale from 0 to 1. Cronbach's alpha for the index is 0.67, meaning the scale holds together to only a moderate degree, but exploratory factor analysis finds just a single factor underlying the five items. The sixth model takes as its dependent variable this index of fieldwork-facilitated research design iteration.

Respondents could indicate that a project involved multiple approaches to analysis (including interpretive, qualitative, and quantitative.)

Respondents could indicate that a project involved multiple data collection techniques (including archival research, interviews, etc.)

The 1,190 projects were reported by 779 individual researchers. Robust standard errors were used to adjust for this clustering.

p-values: * $p<.05$, ** $p<.01$, *** $p<.001$