

Methodology: Field Study

	Exemplary 4	Proficient 3	Marginal 2	Unacceptable 1
Research question ("Is the research question valuable to the target population?")	<p>It satisfies all of the following:</p> <ul style="list-style-type: none"> • Clear, well-justified, and highly motivated • Valuable relevant to the target population • Relevant to the target population • Explored how users accept, adopt, and appropriate a system in actual use over time 	<p>It satisfies:</p> <ul style="list-style-type: none"> • Clear, well-justified, and highly motivated <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> • Valuable to the target population • Relevant to the target population • Explored how users accept, adopt, and appropriate a system in actual use over time 	<p>It partially satisfies:</p> <ul style="list-style-type: none"> • Clear, well-justified, and highly motivated <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> • Valuable to the target population • Relevant to the target population • Explored how users accept, adopt, and appropriate a system in actual use over time 	<ul style="list-style-type: none"> • Did not satisfy any of the requirements
Field site ("Is the field site appropriate?")	<p>It satisfies all of the following:</p> <ul style="list-style-type: none"> • Generalizable • Tested prototype or concept in actual use • Researchers could access field site and learn from deployment • Developed and maintained a relationship before, during, and after deployment 	<p>It satisfies:</p> <ul style="list-style-type: none"> • Generalizable • Tested prototype or concept in actual use <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> • Researchers could access field site and learn from deployment • Developed and maintained a relationship before, during, and after deployment 	<p>It partially satisfies:</p> <ul style="list-style-type: none"> • Generalizable • Tested prototype or concept in actual use <p>It must satisfy at least one of the following:</p> <ul style="list-style-type: none"> • Researchers could access field site and learn from deployment • Developed and maintained a relationship before, during, and after deployment 	<ul style="list-style-type: none"> • Did not satisfy any of the requirements

<p>Study design (“Was the study well designed and does it avoid confounding factors?”)</p>	<p>It satisfies all of the following:</p> <ul style="list-style-type: none"> • The study was designed appropriately (e.g. was the observation done for long enough?) • The authors took measures to avoid introducing biases (e.g., forming close bond with participants to bias their assessment) • Goals are not artificial (e.g. adoption not tested simply by surveying participants) and separate adoption from use. • Explored user understandings, practices, and eventual uses that the system might be put 	<p>It satisfies:</p> <ul style="list-style-type: none"> • The study was designed appropriately (e.g. was the observation done long enough) • The authors took measures to avoid introducing biases (e.g., forming close bond with participants to bias their assessment). <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> • Goals are not artificial (e.g. adoption not tested simply by surveying participants) and separate adoption from use. • Explores user understandings, practices, and eventual uses that the system might be put 	<p>It partially satisfies:</p> <ul style="list-style-type: none"> • The study was designed appropriately (e.g. was the observation done long enough)? • The authors took measures to avoid introducing biases (e.g., forming close bond with participants to bias their assessment). <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> • Goals are not artificial (e.g. adoption not tested simply by surveying participants) and separate adoption from use. • Explored user understandings, practices, and eventual uses that the system might be put 	<ul style="list-style-type: none"> • Did not satisfy any of the requirements
<p>Participants & ethics (“Did the study engage the right participants and treat them appropriately?”)</p>	<p>It satisfies all of the following:</p> <ul style="list-style-type: none"> • Similar cohorts of participants with influencing factors taken into account • Proper agreements and ethics review • Appropriate remuneration with regard to socioeconomic status and effort of participants 	<p>It satisfies:</p> <ul style="list-style-type: none"> • Proper agreements and ethics review • Similar cohorts of participants with influencing factors taken into account <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> • Appropriate remuneration with regard to socioeconomic status and effort of participants 	<p>It partially satisfies:</p> <ul style="list-style-type: none"> • Proper agreements and ethics review • Similar cohorts of participants with influencing factors taken into account <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> • Appropriate remuneration with regard to socioeconomic status and effort of participants 	<ul style="list-style-type: none"> • Did not satisfy any of the requirements

<p>Data collection (“Did the study collect the right data, at the right time and without being intrusive to participants?”)</p>	<p>It satisfies all of the following:</p> <ul style="list-style-type: none"> • Used appropriate methods (e.g. repeated interviews, usage log, survey...) and justified (e.g., whether explicitly or through related work) • Triangulation of methods (qualitative + quantitative) • More data, such as daily diaries, automated logs of usage, structured questionnaires, and interviews can also be used to provide a multidimensional understanding of the weaknesses and strengths of the tool • Minimal explicit intervention of participants (otherwise could result in participants being annoyed) • Data collection done at appropriate time and justified • Measured intermediate results 	<p>It satisfies:</p> <ul style="list-style-type: none"> • Used appropriate methods and justify why. • Data collection done at appropriate time and justified • Triangulation of methods (qualitative + quantitative) <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> • More data, such as daily diaries, automated logs of usage, structured questionnaires, and interviews can also be used to provide a multidimensional understanding of the weaknesses and strengths of the tool • Minimal explicit intervention of participants (otherwise could result in participants being annoyed) • Measured intermediate results 	<p>It partially satisfies:</p> <ul style="list-style-type: none"> • Used appropriate methods and justify why. • Data collection done at appropriate time and justified • Triangulation of methods (qualitative + quantitative) <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> • More data, such as daily diaries, automated logs of usage, structured questionnaires, and interviews can also be used to provide a multidimensional understanding of the weaknesses and strengths of the tool • Minimal explicit intervention of participants (otherwise could result in participants being annoyed) • Measured intermediate results 	<ul style="list-style-type: none"> • Did not satisfy any of the requirements
<p>Field deployment (“Did the research team continually monitor and report the deployment process?”)</p>	<p>It satisfies all of the following:</p> <ul style="list-style-type: none"> • Continuous and incremental analysis • Continual monitoring and team constantly on-call to field inquiries • Reported changes (or “no changes”) to the deployment and evolution of research 	<p>It satisfies:</p> <ul style="list-style-type: none"> • Reported changes (or “no changes”) to the deployment and evolution of research question <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> • Continuous and incremental 	<p>It partially satisfies:</p> <ul style="list-style-type: none"> • Report any changes (or “no changes”) to the deployment and evolution of research question <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> • Continuous and 	<ul style="list-style-type: none"> • Did not satisfy any of the requirements

	question	<p>analysis</p> <ul style="list-style-type: none"> Continual monitoring and team constantly on-call to field inquiries 	<p>incremental analysis</p> <ul style="list-style-type: none"> Continuous monitoring and team constantly on-call to field inquiries 	
<p>Reporting the data ("Is the data reported with enough details?")</p>	<p>It satisfies all of the following:</p> <ul style="list-style-type: none"> Rich details on what data were used from field deployment Reported analysis and data cleaning methods Reported difficulties with recruitment, retention and engagement in target population 	<p>It satisfies:</p> <ul style="list-style-type: none"> Reported analysis and data cleaning methods <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> Rich details on what data were used from field deployment Reported difficulties with recruitment, retention and engagement in target population 	<p>It partially satisfies:</p> <ul style="list-style-type: none"> Reported analysis and data cleaning methods <p>It satisfies at least one of the following:</p> <ul style="list-style-type: none"> Rich details on what data were used from field deployment Reported difficulties with recruitment, retention and engagement in target population 	<ul style="list-style-type: none"> Did not satisfy any of the requirements