Validate: Observe and interview target users

Threat: Bad data/operation abstraction

Threat: Wrong problem

Threat: Ineffective encoding/interaction technique Validate: Justify encoding/interaction design Threat: Slow algorithm Validate: Analyse computational complexity Implement system Validate: Measure system time/memory Validate: Qualitative/quantitative result image analysis Validate: Lab study, measure human time/errors for operation Validate: Test on target users, collect anecdotal evidence of utility

Validate: Field study, document human usage of deployed system

Validate: Adoption rates