❗ Threat Wrong problem
☑ Validate Observe and interview target users

❗ Threat Wrong task/data abstraction

❗ Threat Ineffective encoding/interaction idiom
☑ Validate Justify encoding/interaction design

❗ Threat Slow algorithm
☑ Validate Analyze computational complexity

Implement system

☑ Validate Measure system time/memory

☑ Validate Qualitative/quantitative result image analysis
Test on any users, informal usability study
☑ Validate Lab study, measure human time/errors for task

☑ Validate Test on target users, collect anecdotal evidence of utility
☑ Validate Field study, document human usage of deployed system

☑ Validate Observe adoption rates