

Measuring Security Effectiveness

Using social science research methods to measure security performance



How do we measure
security performance?





ipa
INNOVATIONS FOR
POVERTY ACTION

Static Code Analysis (SCA)



Experimental Group: received feedback from security SCA testing tool



Control Group: scanned, no feedback provided



Results: inconclusive, no significant differences between the groups

Security Effectiveness



What impact does our team have on improving security outcomes?



Compared level of involvement to pen-test results



Results: correlation between working with our team and fewer pen-test findings

Security Effectiveness 2



Experimental Group:
“intervention” of working with
our team



Control Group: observed, no
intervention



Results: study under way



Thank You!

Ask me about “action research”...