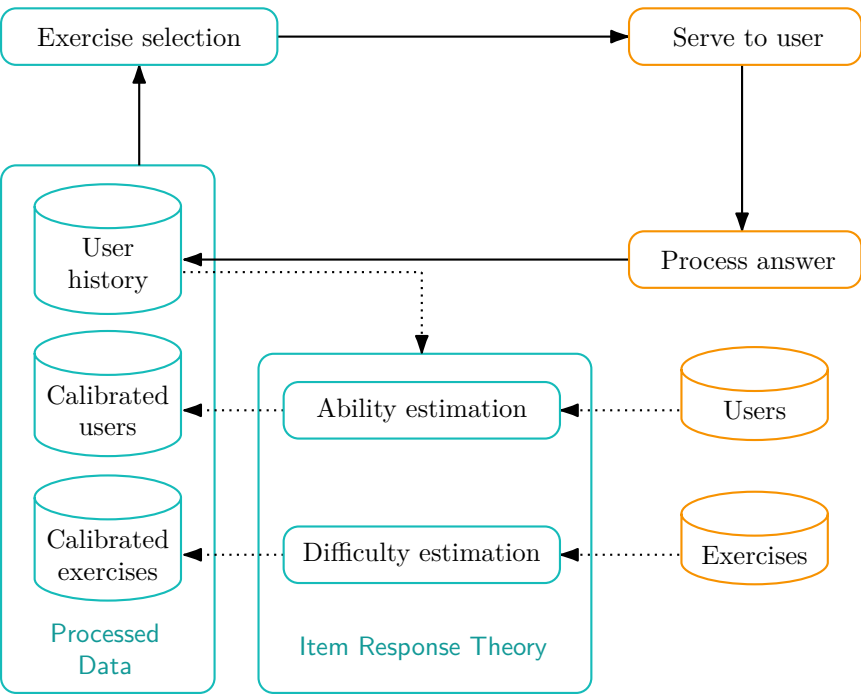
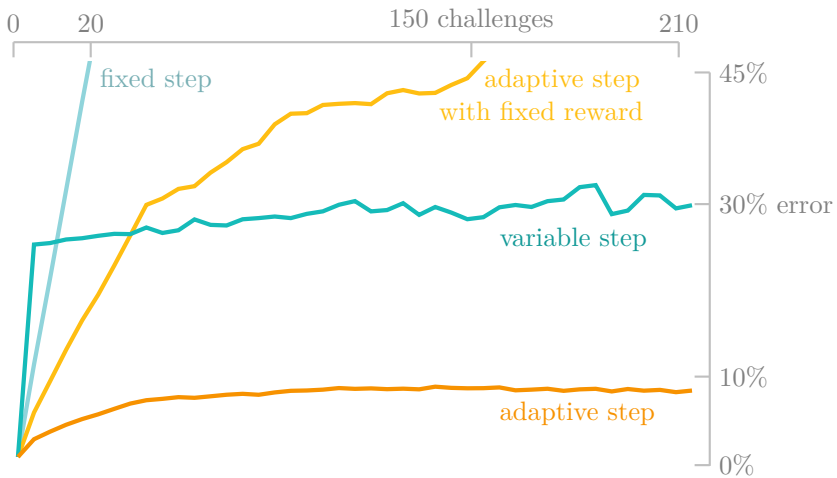


Intelligent tutoring system

Training platform





Plan

Develop

Build

Test

Release



Guidelines



Security problems

Plan

Develop

Build

Test

Release

Fix

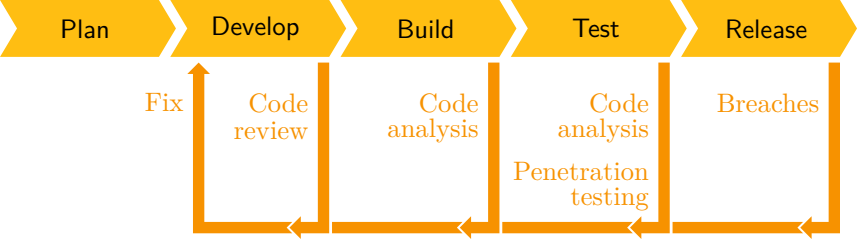
Code
review

Code
analysis

Code
analysis

Penetration
testing

Breaches



Plan

Develop

Build

Test

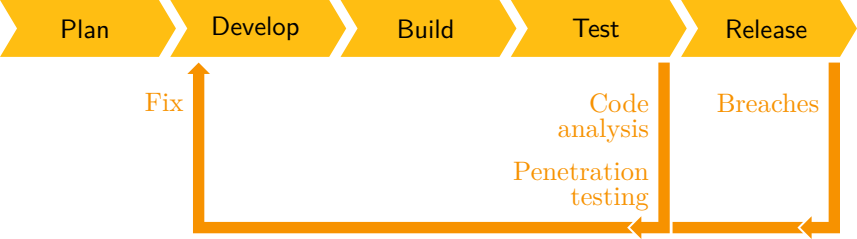
Release

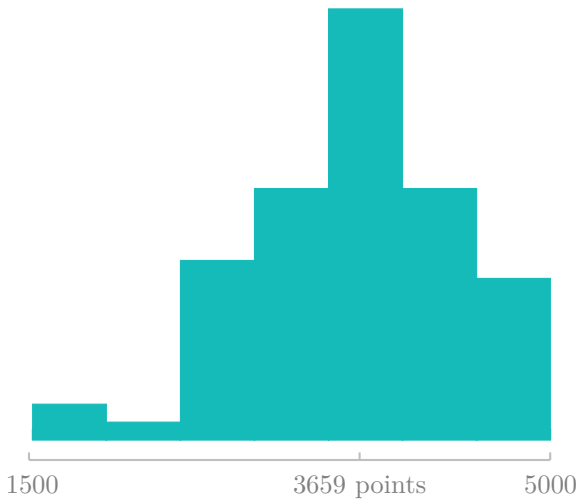
Fix

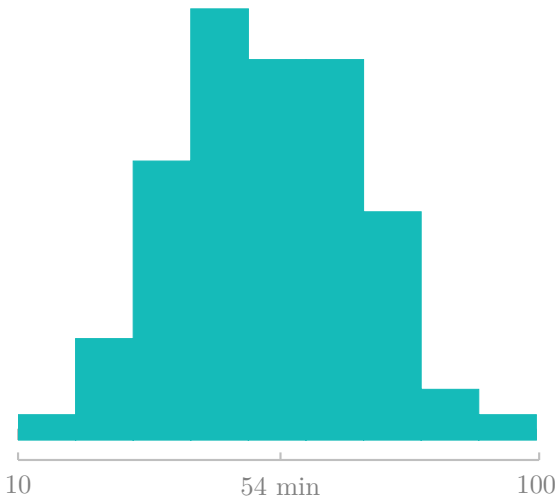
Code
analysis

Penetration
testing

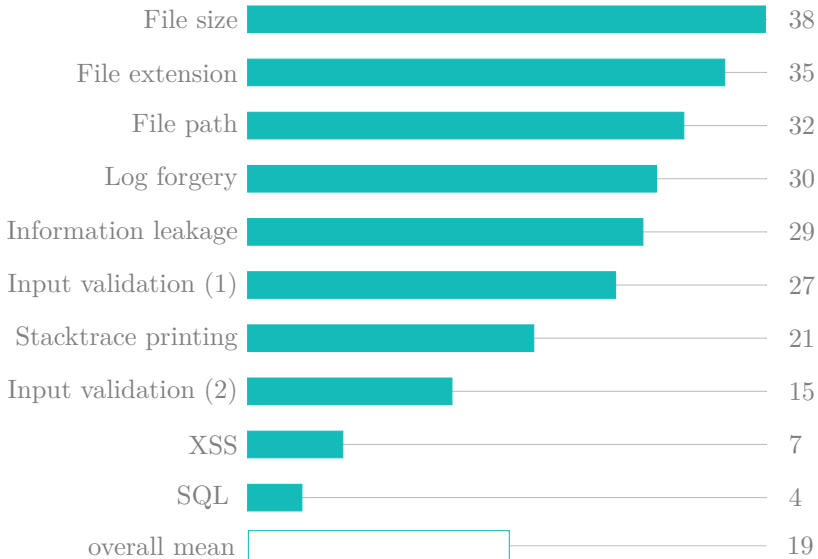
Breaches

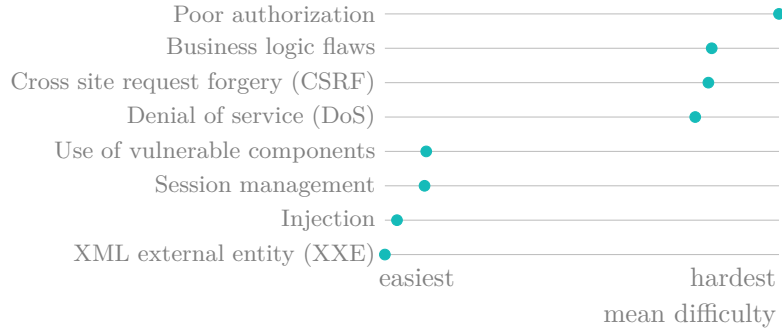


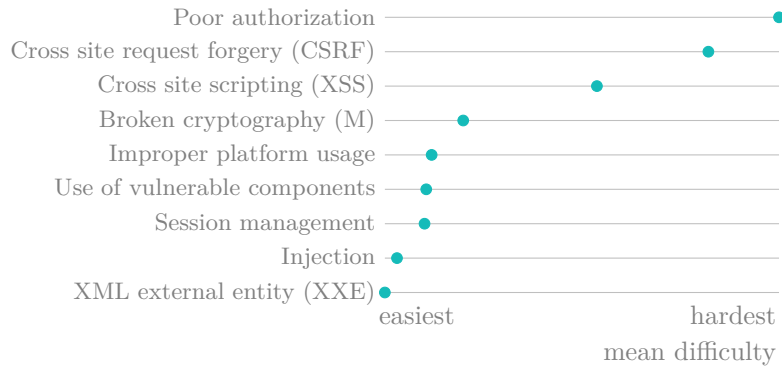


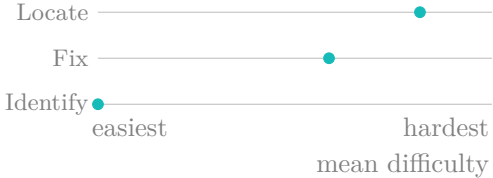


mean removal time [s]









OWASP Top 10 2017

Injection

Broken Authentication

Sensitive Data Exposure

XML External Entity (XXE)

Broken Access Control

Security Misconfiguration

Cross-Site Scripting (XSS)

Insecure Deserialization

Using Components with Known Vulnerabilities

Insufficient Logging and Monitoring

OWASP Top 10 2021

Broken Access Control

Cryptographic Failures

Injection

Insecure Design

Security Misconfiguration

Vulnerable and Outdated Components

Identification and Authentication Failures

Software and Data Integrity Failures

Security Logging and Monitoring Failures

Server-Side Request Forgery (SSRF)

