A Software Risk Model

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Testability

Quality

- Source Code
- Complexity Metrics
  - Testability
  - Complexity
  - Interface Criticality
  - Maintainability

Susceptibility
1 to 4
1: most error proneness

Test Coverage

- Source Code
  - Instrument & Compile
    - Executables
      - Test Cases
        - Untested Code
          - %

Functional Criticality

- Functional Rqmnts
- Designer Input
- User Input
  - Safety Analyses, Risk Assessment, Review

Risk Index
1:high, 0:low

(Exposure) Likelihood

(Criticality) Consequences