Today’s Agenda

- Regression Testing

Regression testing (IEEE)

Regression testing is selective retesting of a system or component to verify that modifications have not caused unintended effects and that the system or component still complies with its specified requirements.
Strategies

- Retest all
- Regression test selection/test case prioritization
- Pro’s and con’s??

Prioritization Scheme are designed to:

- Achieve coverage at the fastest rate possible
- Exercise features in order of expected frequency of use
- Reveal faults as early as possible

From “Putting Your Best Tests Forward” by Gregg Rothermel and Sebastian Elbaum, IEEE Software, September/October 2003
Figure 1. Fault detection rates for four prioritized test suites.