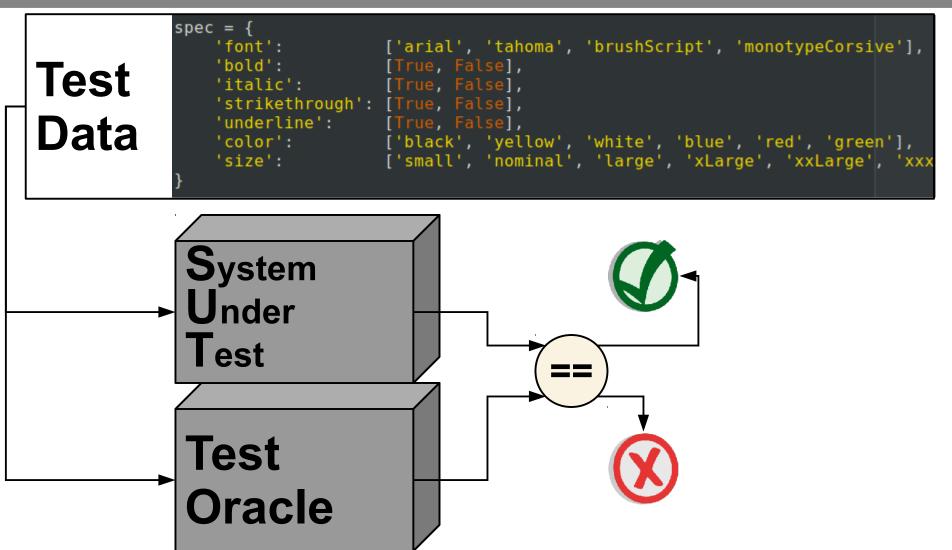


How much Unit-Testing is enough?



Covering Array

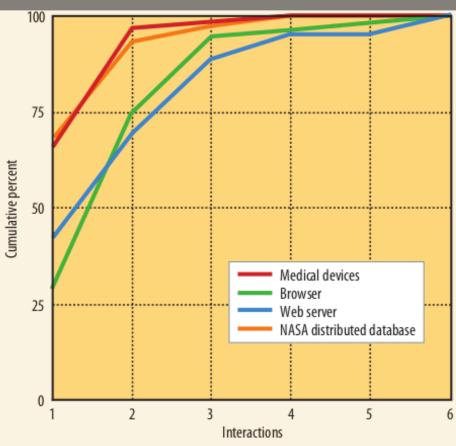


Figure 2. Cumulative error detection rate for fault-triggering conditions. Many faults were caused by a single parameter value, a smaller proportion resulted from an interaction between two parameter values, and progressively fewer were triggered by three-, four-, five, and six -way interactions.

Covering Array

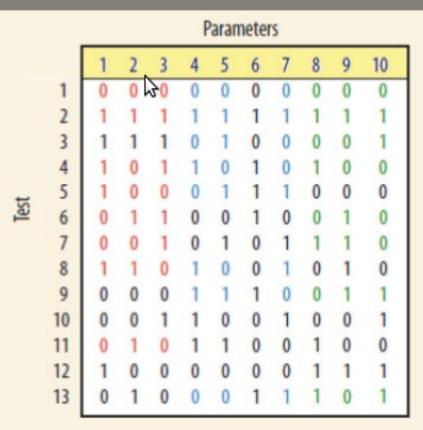


Figure 3. Three-way covering array for 10 parameters with two values each. Any three columns, selected in any order, contain all eight possible values of three parameters: 000,001,010,011,100,101,110,111.

Time for Demo



Grandma Gatewood

Gatewood hiked the Appalachian Trail in 1955 at the age of 67, wearing sneakers and carrying an army blanket, a raincoat, and a plastic shower curtain which she carried in a homemade bag slung over one shoulder, thus making her a pioneer of Ultralight backpacking.

MORE INFO

Combinatorial Testing

csrc.nist.gov/groups/SNS/acts/Crosstalk0806KuhnLeiKacker.pdf

Original C version:

http://burtleburtle.net/bob/math/jenny.html

Fork me on github:

http://github.com/markfink/grandma

Packaged Releases:

pypi.python.org/pypi/grandma/

