What is Statistical Testing \textit{ST}?

Statistical Testing makes use of statistical methods to determine the reliability of the program. Statistical testing focuses on how faulty programs can affect its operating conditions.

How to perform ST?

- Software is tested with the test data that statistically models the working environment.
- Failures are collated and analyzed.
- From the computed data, an estimate of program's failure rate is calculated.
- A Statistical method for testing the possible paths is computed by building an algebraic function.

Statistical testing is a bootless activity as the **intent is NOT to find defects.**