Unit 3 Notes

**Learning Objectives**

* Apply combinatorial test coverage to assess test quality
* Apply design of experiments to develop tests
* Understand mutation testing
* Understand fuzz testing
* Define metamorphic testing
* Apply defect-based testing techniques
* Describe the role of exploratory testing

Combinatorial Testing Techniques

Combinatorial Coverage as an Aspect of Test Quality

* See slides

Design of Experiments

* See slides

Design of Experiments: Problem Example

A picture containing text, whiteboard

Description automatically generated

Mutation Testing

Fuzz Testing

Metamorphic Testing

Defect Based Testing

Exploratory Testing