

Selection of Techniques and Metrics

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These slides are available on-line at:

<http://www.cse.wustl.edu/~jain/cse567-11/>



- ❑ Criteria for Selecting an Evaluation Technique
- ❑ Three Rules of Validation
- ❑ Selecting Performance Metrics
- ❑ Commonly Used Performance Metrics
- ❑ Utility Classification of Metrics
- ❑ Setting Performance Requirements

Criteria for Selecting an Evaluation Technique

Criterion	Analytical		
	Modeling	Simulation	Measurement
1. Stage	Any	Any	Postprototype
2. Time required	Small	Medium	Varies
3. Tools	Analysts	Computer languages	Instrumentation
4. Accuracy ^a	Low	Moderate	Varies
5. Trade-off evaluation	Easy	Moderate	Difficult
6. Cost	Small	Medium	High
7. Saleability	Low	Medium	High

^a In all cases, result may be misleading or wrong.