Performance & Execution Time

The Bottom Line: Performance (and Cost)

Plane	DC to Paris	Speed	Passengers	Throughput (pmph)
Boeing 747	6.5 hours	610 mph	470	286,700
BAD/Sud Concord	3 hours	1350 mph	132	178,200

- * Time to run the task (Execution Time)
 - Execution time, response time, latency
- * Tasks per day, hour, week, sec, ns ... (Performance)
- Throughput, bandwidth
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Performance and Execution Time

Execution time and performance are reciprocals

- * Speed of Concorde vs. Boeing 747
- * Throughput of Boeing 747 vs. Concorde

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Performance Terminology

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"X is n% faster than Y" means:
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Example

Example: Y takes 15 seconds to complete a task, X takes 10 seconds. What % faster is X?

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