



Kinds of analyses

Worst-case: (usually)

- $T(n)$ = maximum time of algorithm on any input of size n .

Average-case: (sometimes)

- $T(n)$ = expected time of algorithm over all inputs of size n .
- Need assumption of statistical distribution of inputs.

Best-case: (bogus)

- Cheat with a slow algorithm that works fast on *some* input.