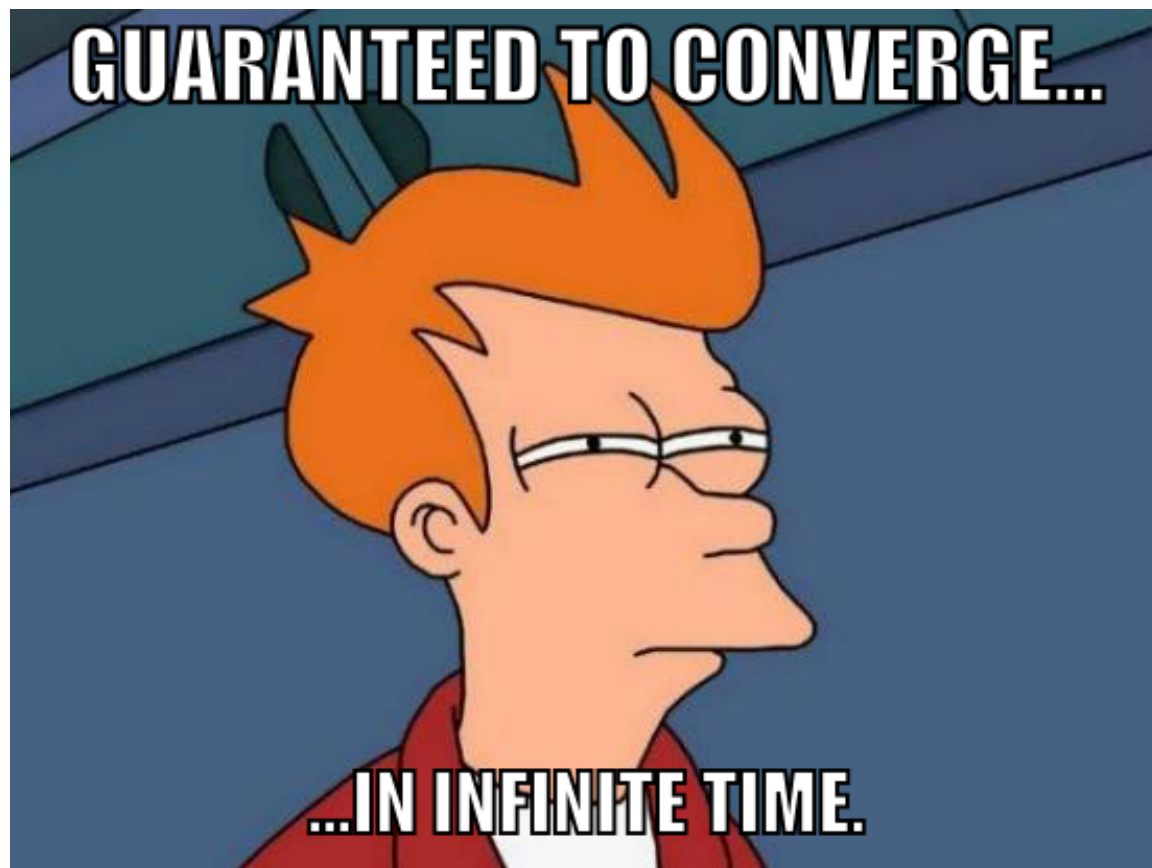
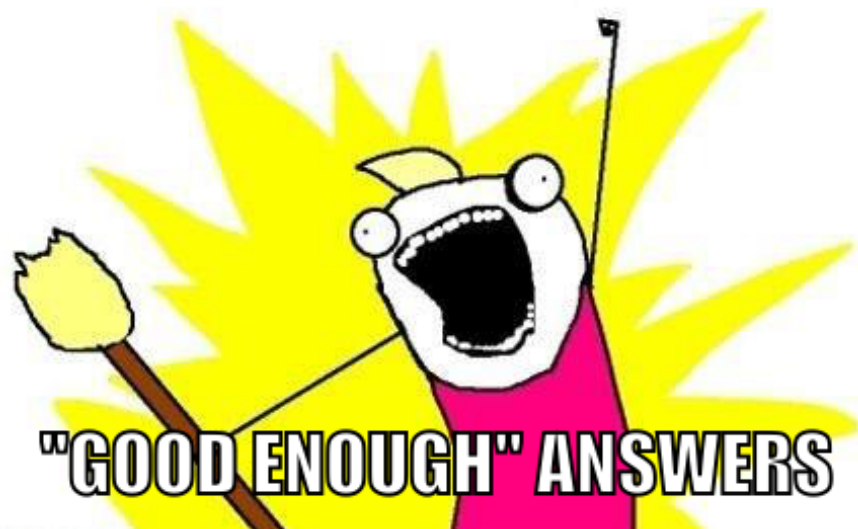


Stochastic methods



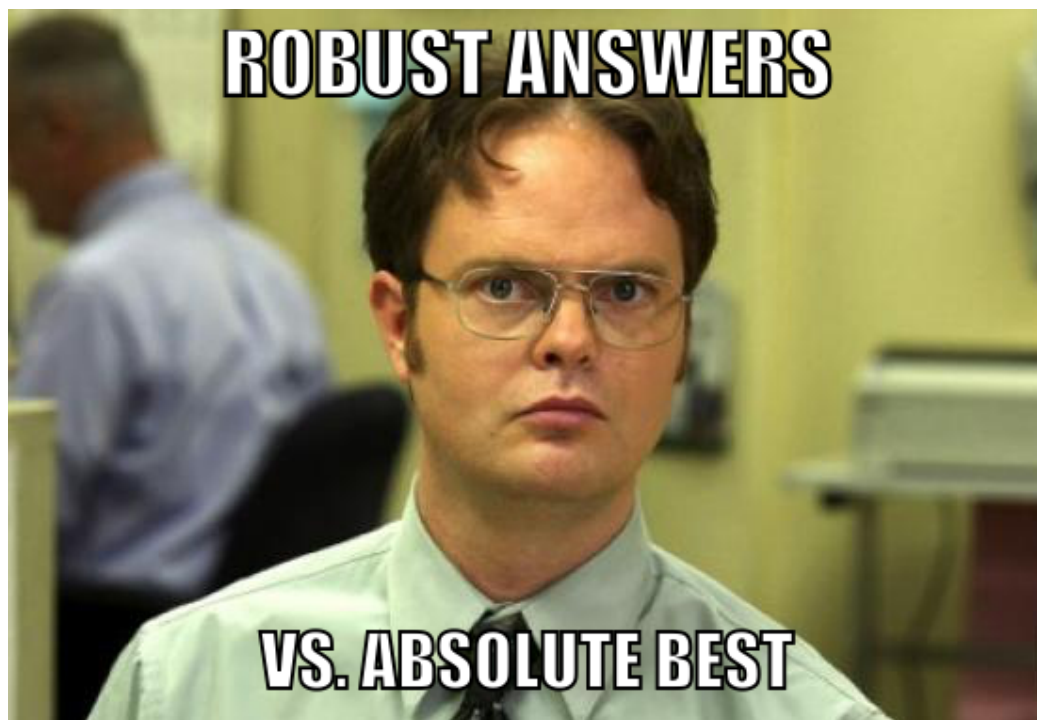
Stochastic methods

QUICKY GET



- Useful in time-constrained systems like L1 or HLT.

Stochastic methods



- Useful in optimization of analyses with many systematic uncertainties.

Stochastic methods



- Can we be as accurate as MINUIT while being faster?



Stochastic methods

- Guaranteed to converge to best answer...
 - ▣ ...in infinite time.
- Quickly get a “good enough” answer.
 - ▣ Useful in time-constrained systems (L1 or HLT?).
- Robust minimum vs. absolute best.
 - ▣ Useful in optimization of analyses with many systematic uncertainties.
- ATLAS+CMS Higgs 4000 parameter likelihood.
 - ▣ Is there something as accurate as MINUIT but faster?