# Five Estimation and Forecasting #Tips

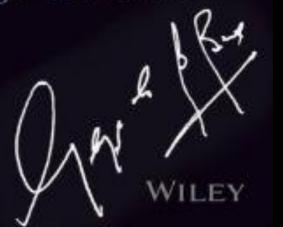
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### An Accidental Statistician



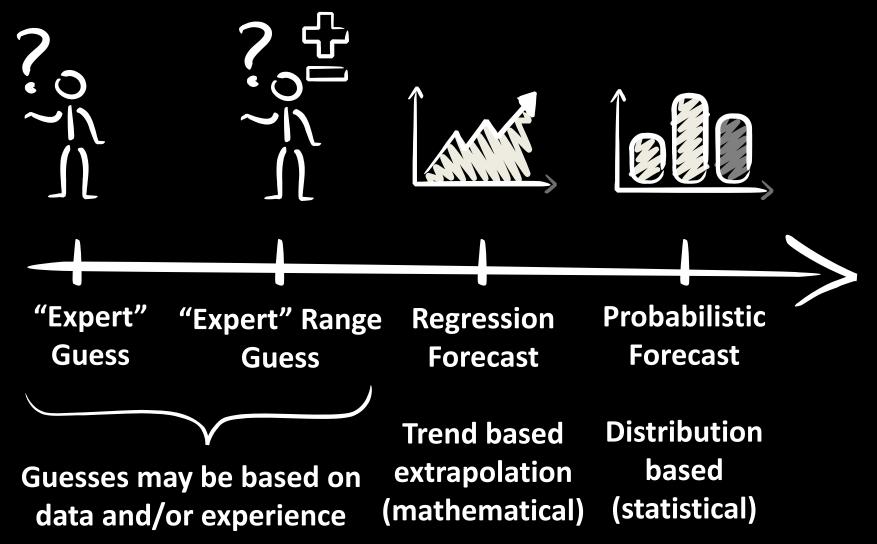
George E.P. Box



"All models are wrong. Some are useful."

Just has to be better than what is currently used and intuition alone....



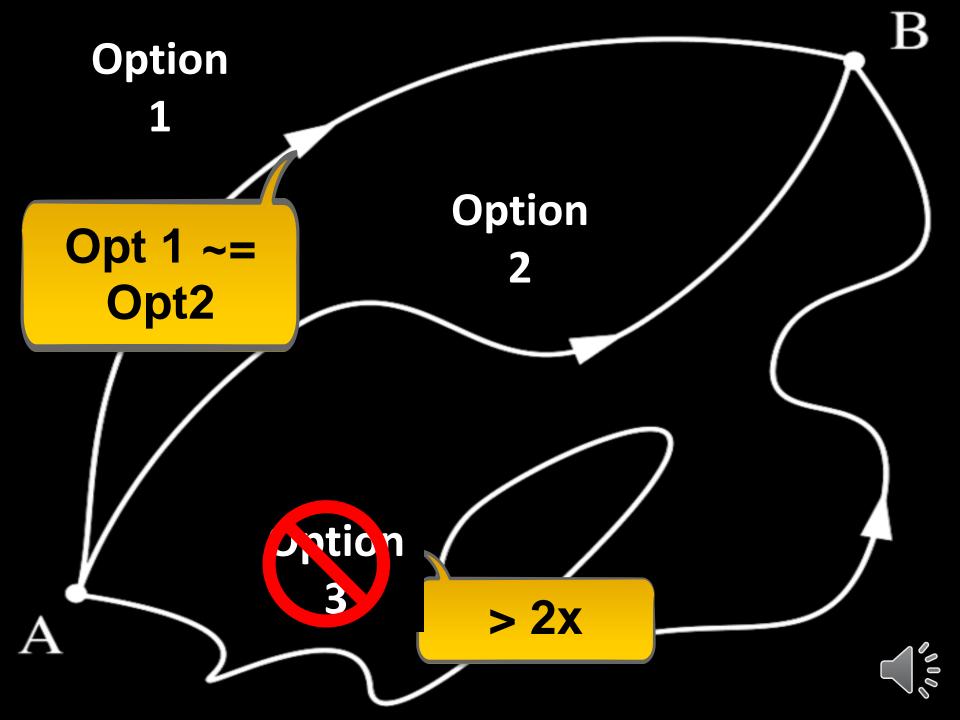












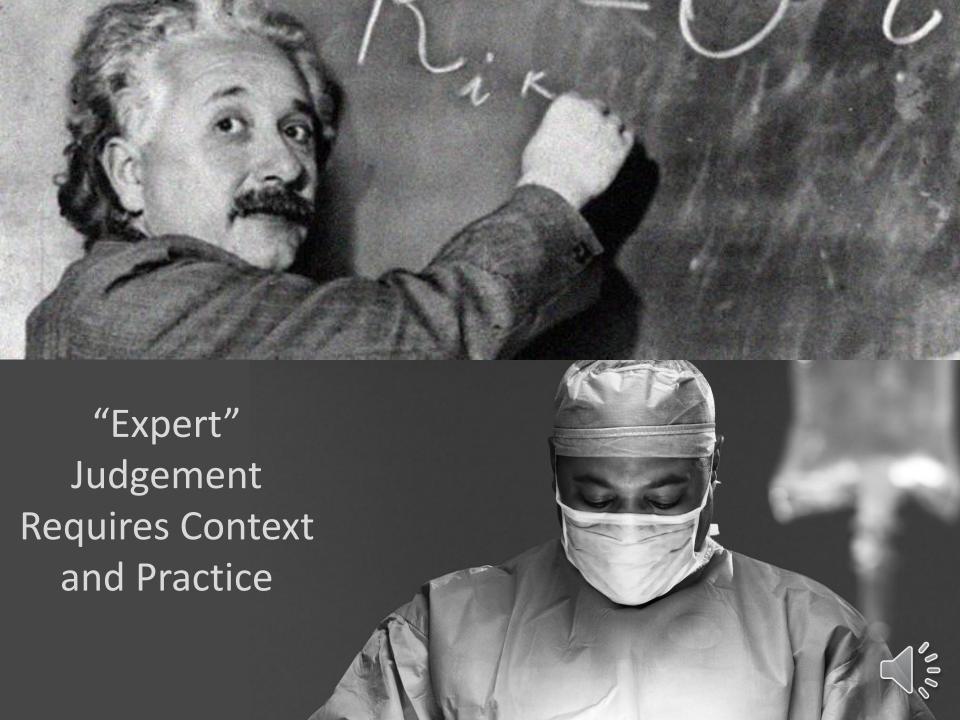
Joshua Tree Natl Park 1 Cottonwood Springs 8 Twentynine Palms 47

NEXT SERVICE 47 MILES



"use the least precision that supports making the decision"

G. Dinwiddie via Twitter





## versus

$$2 + 2 = 5$$



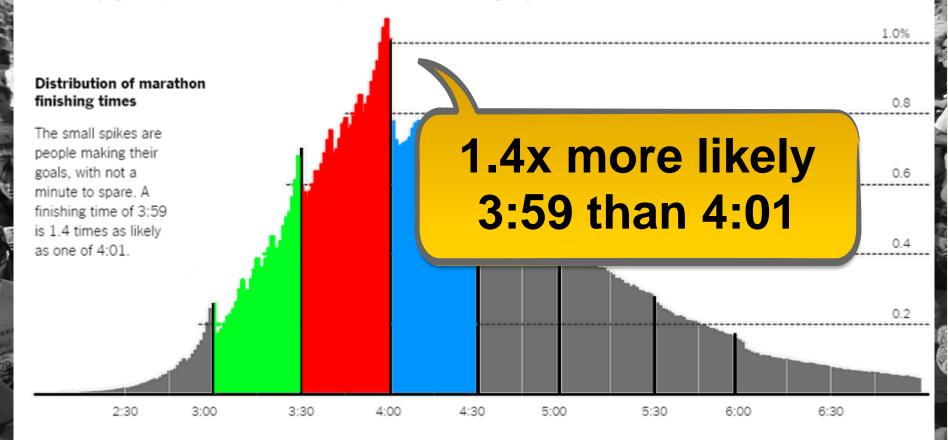
## Set a goal.

Have an achievable plan



http://en.wikipedia.org/wiki/Mario\_G%C3%B6t/e

Arbitrary goals, like round numbers, can be motivating - just ask 9 million marathoners.



Based on data from Eric Allen, USC, Patricia Dechow, U.C. Berkeley, Devin Pope and George Wu, University of Chicago.

#### Don't estimate if you don't have to

Estimate in the largest units practical

Used data (only) when it exceeds judgement

Set achievable dates, backed by a plan

Track missed assumptions (not status)



