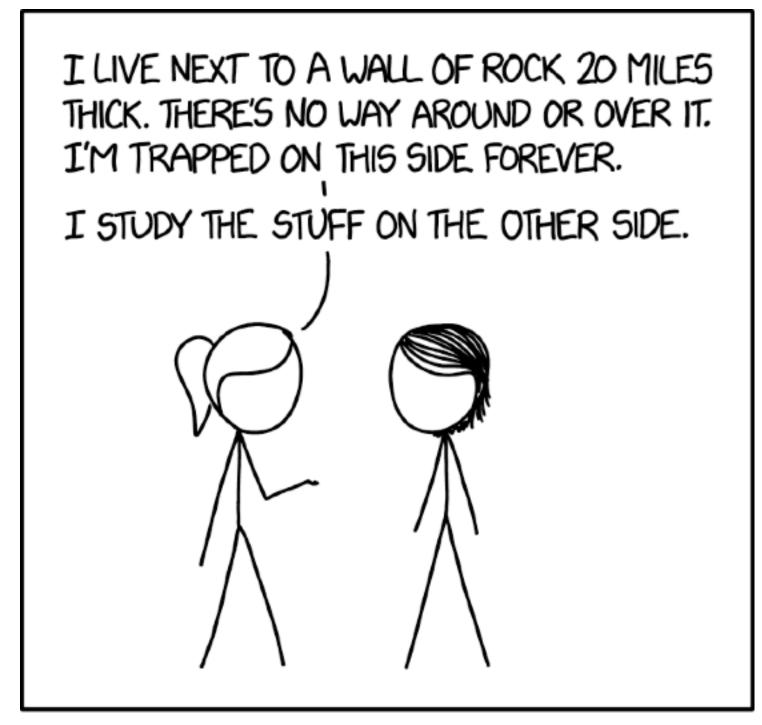
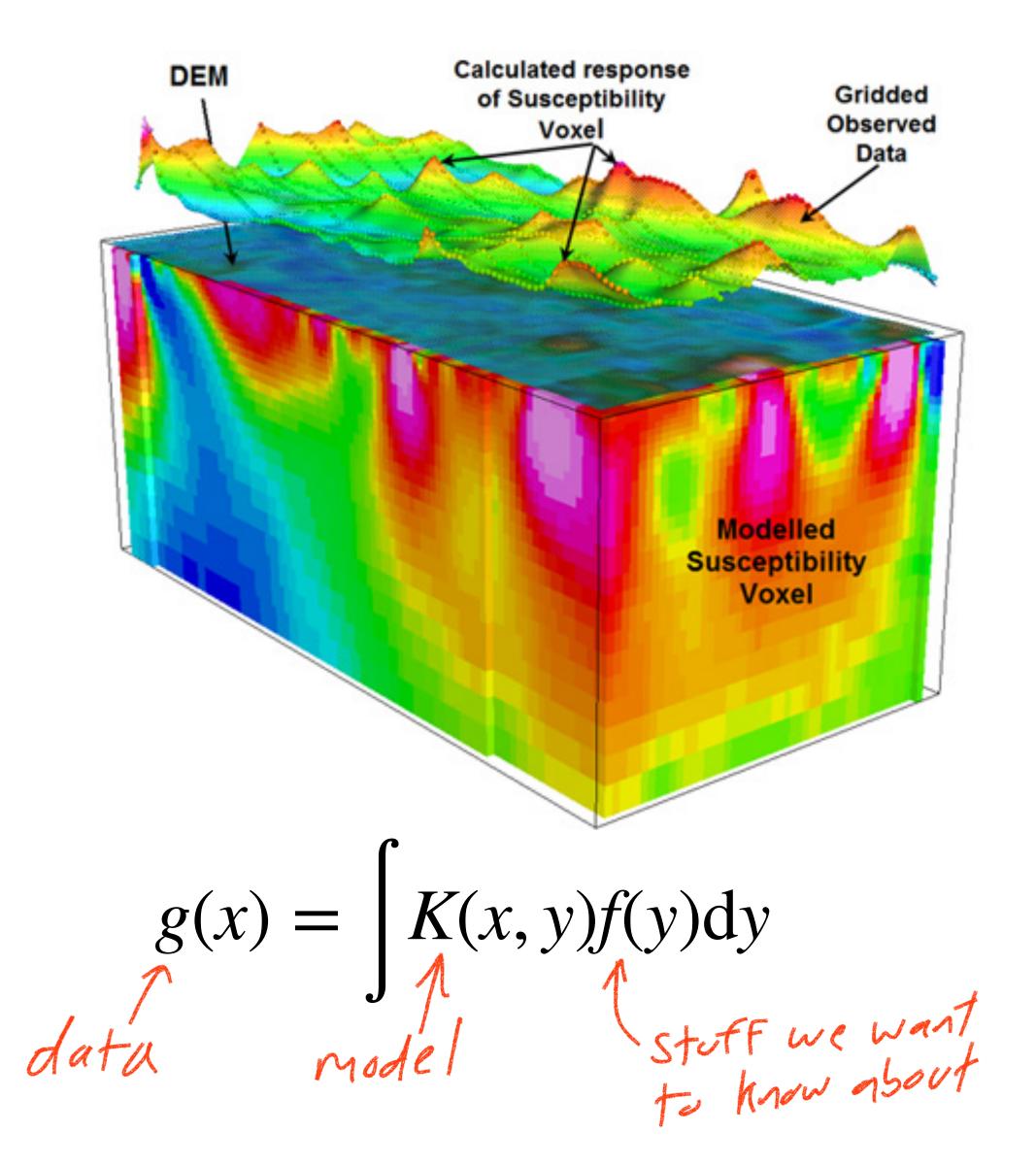
Inverse problems



MANTLE GEOLOGY SEEMS LIKE THE MOST FRUSTRATING FIELD:



Inference frameworks

Wright-Fisher process at the core

Summary statistics and simple calculations (small data, simple population)

TI: average pairwise divergence

S: # segregating s:tes

T: deviation from neutrality

Probabalistic models (big data, more complex populations)

Forward time;

· PDEs / diffusion

. Sclective sweeps

the first

Reverse time:

· coalescent geneology

· conlescent HMM



Machine learning (big data, arbutarily complex population)

Supervised learning

