

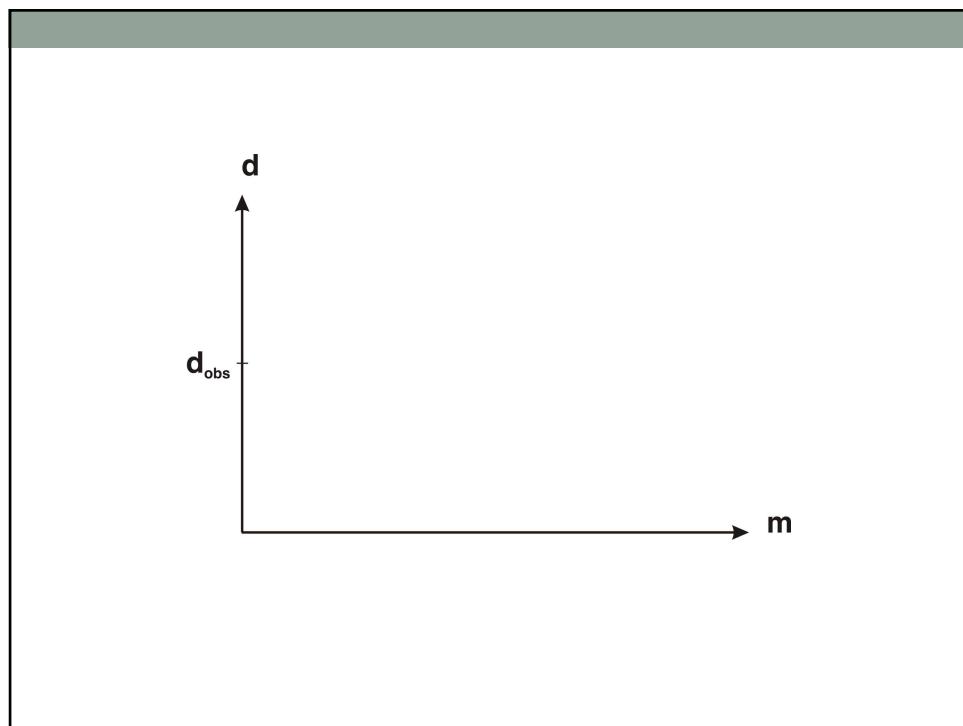
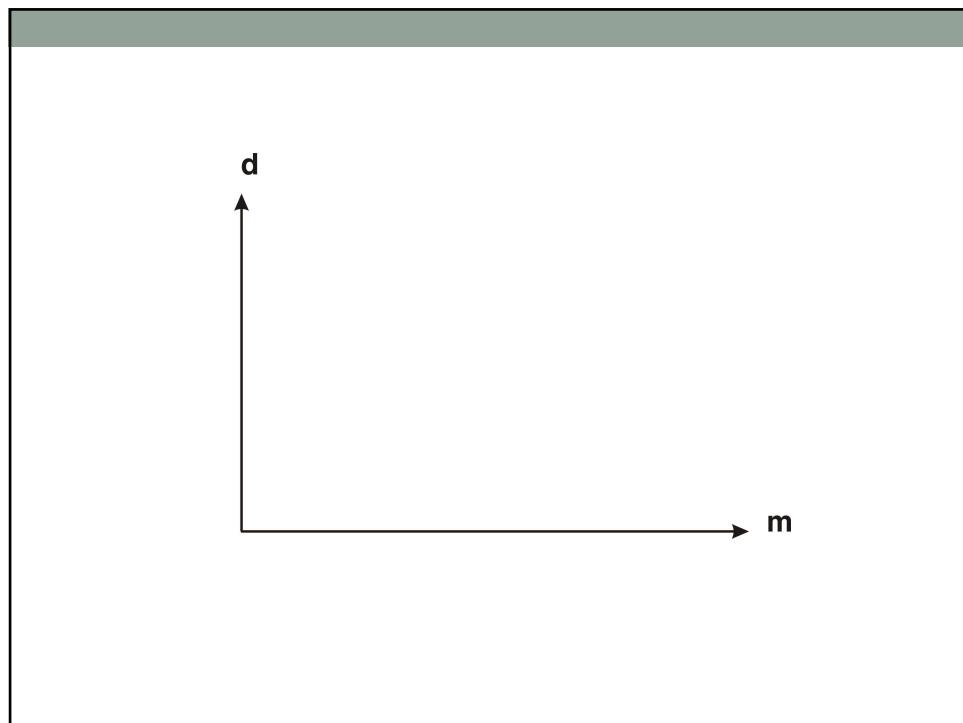
Inverse Problem Theory

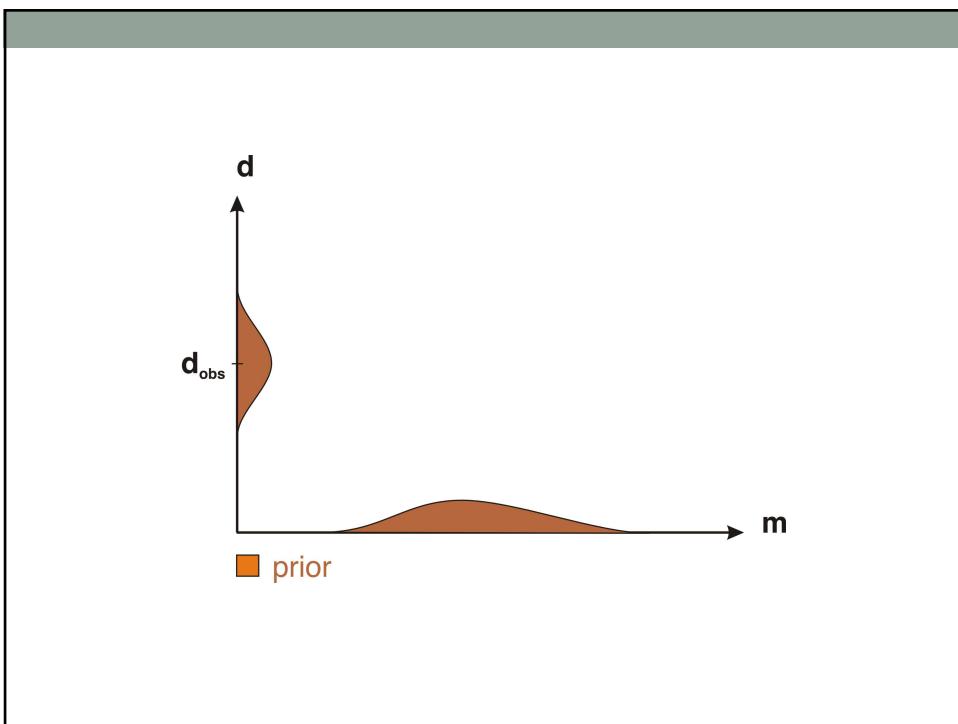
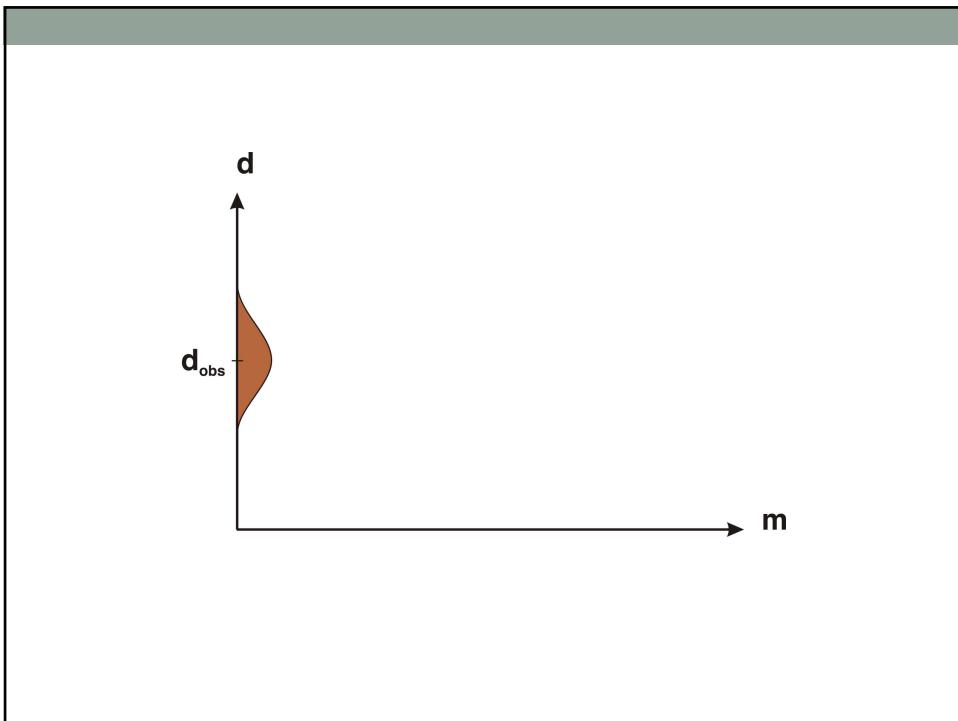
Monte Carlo Basics

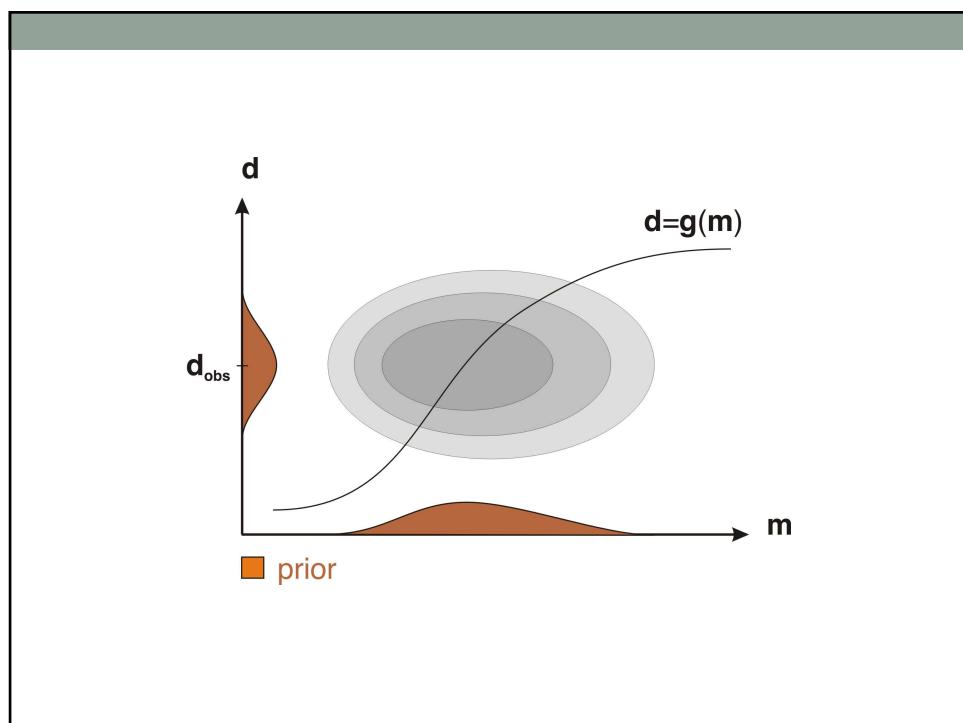
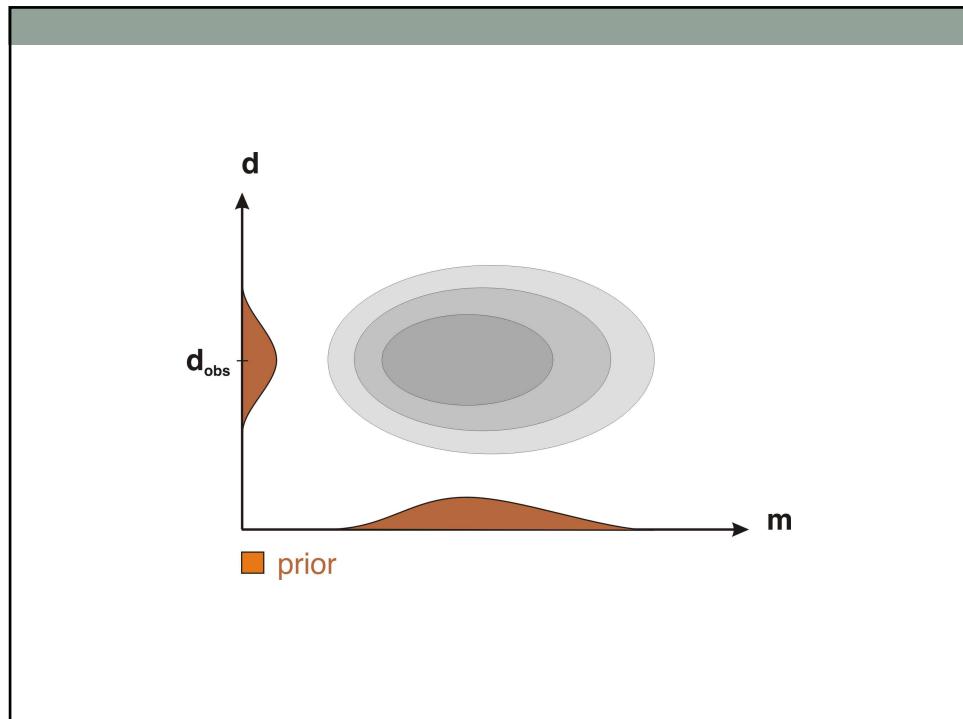
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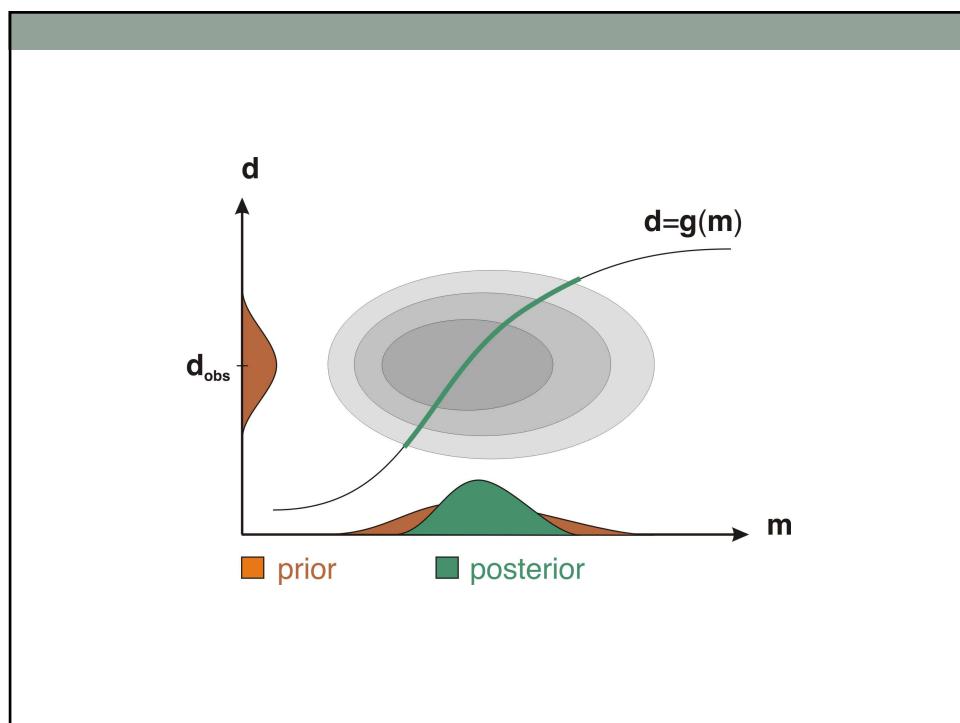
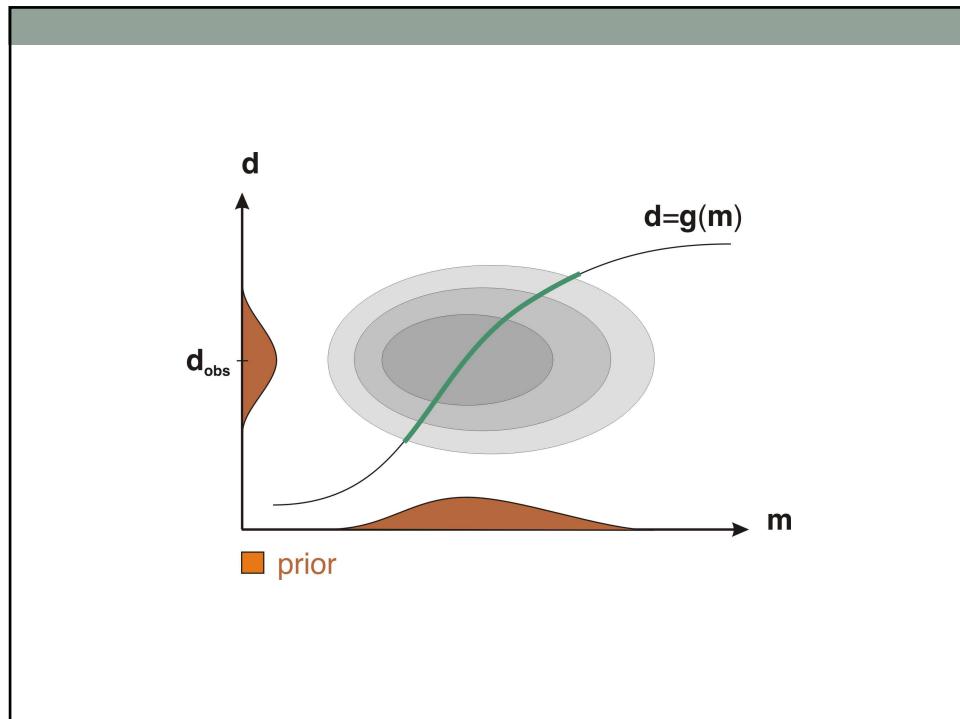
Introduction and examples

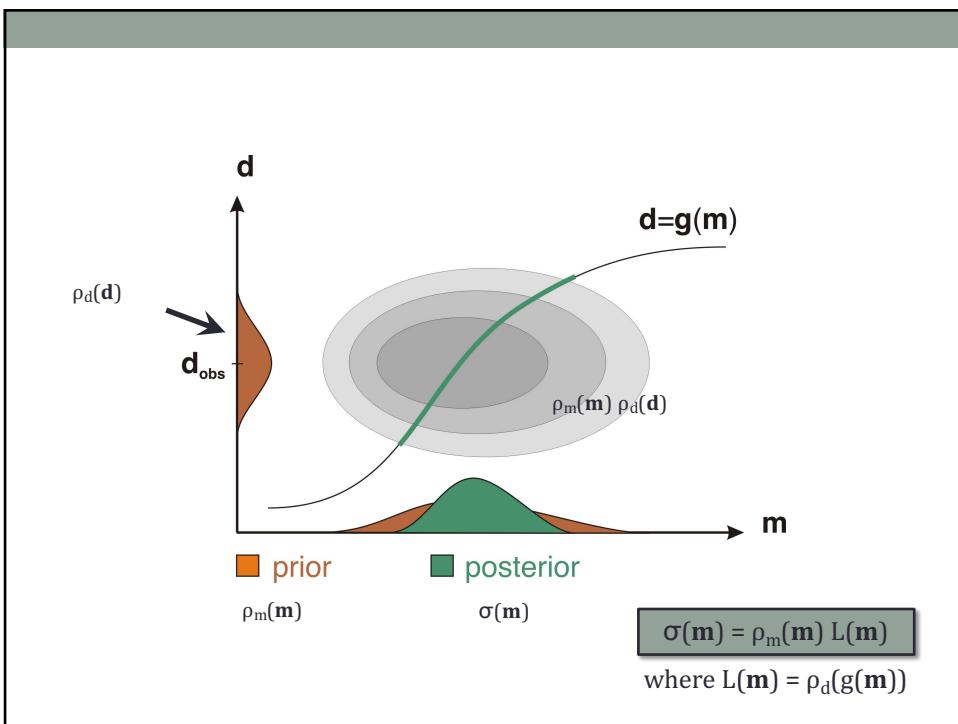
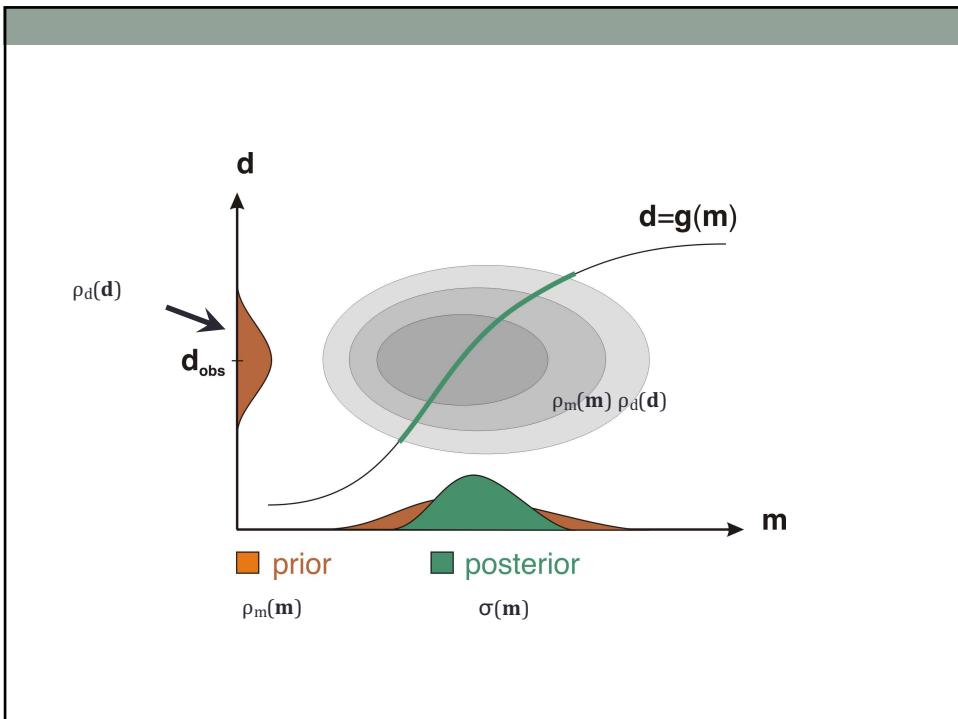
PROBABILISTIC FORMULATION OF AN INVERSE PROBLEM









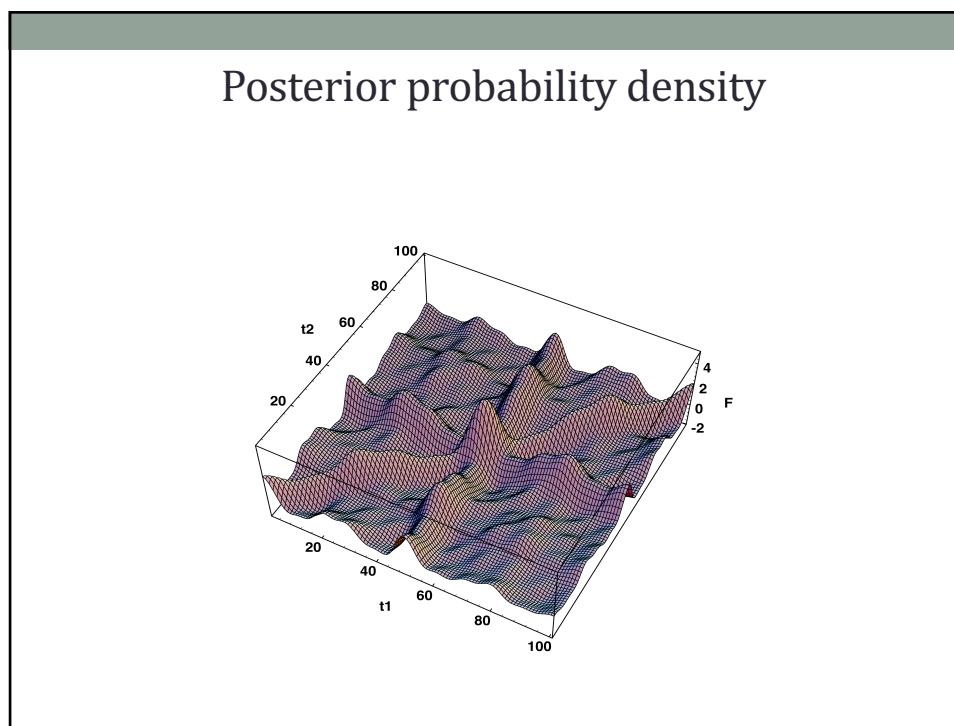
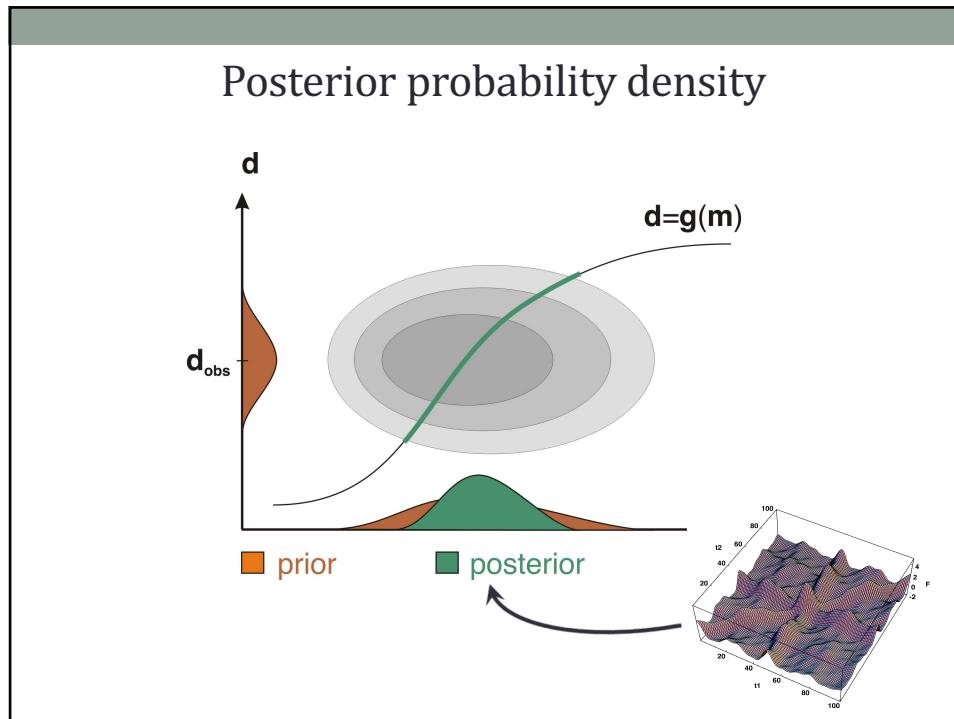


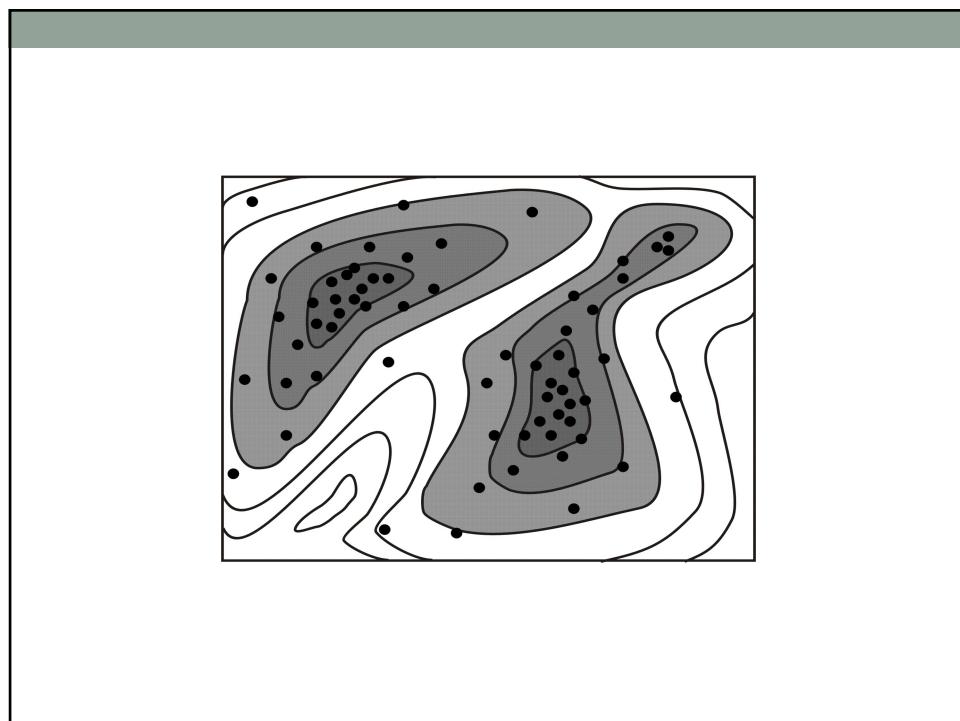
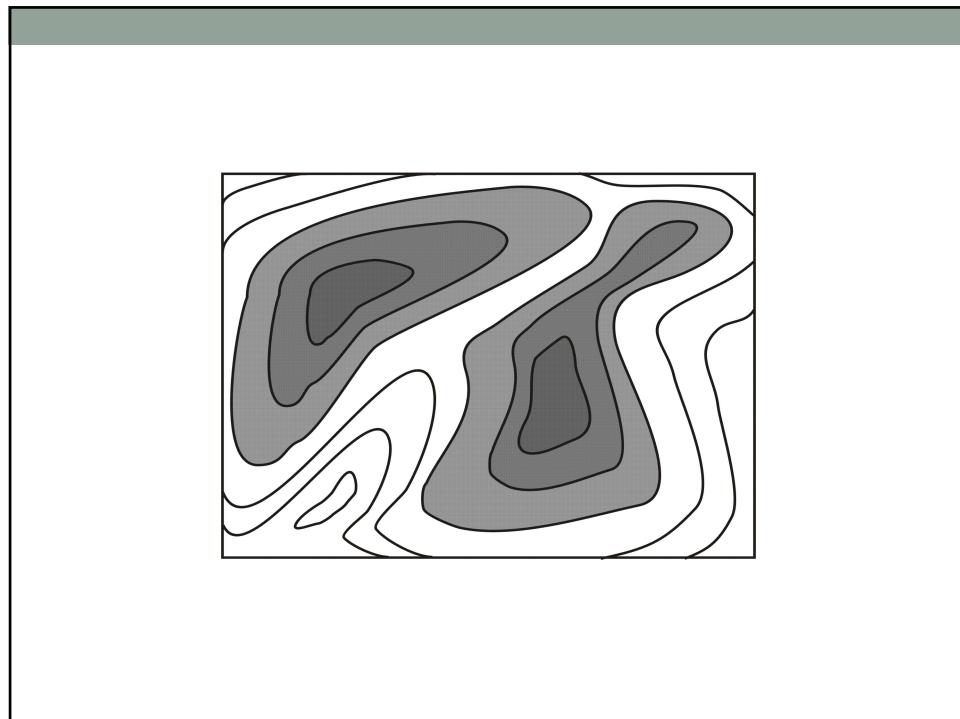
The Posterior Probability Density $\sigma(m)$

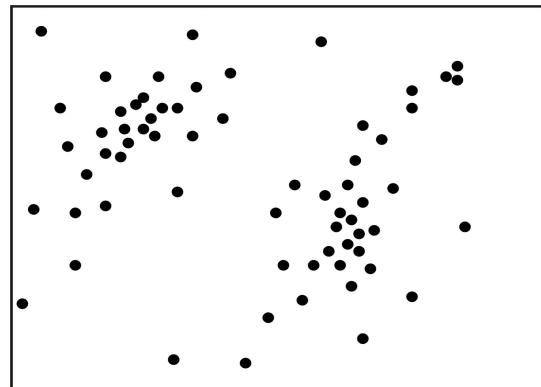
$$\sigma(m) = \rho_m(m) L(m)$$

where $L(m) = \rho_d(g(m))$

PROBABILISTIC SOLUTION OF INVERSE PROBLEMS

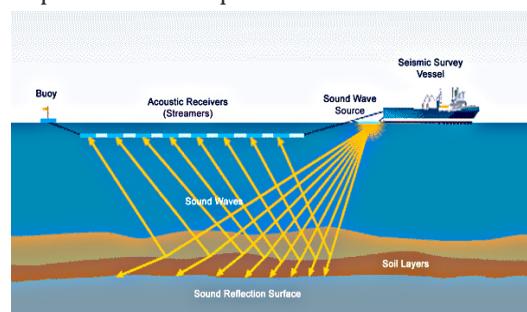






The Idea in Practice: A Seismic Example

Experimental setup



Seismic data

