



8/38/19 e Set up radio active lighthouse problem as another Buyesian updating land parameter estimation problem. See page (B).

Go though notebook on Friday. · Totarlule: bring up explaning pots, ipyob
- Point out projected posterior dots and previous what · Look at multimodal plot and note that projections don't always show multiple mode: Sunding from Id plass => Phectical lines. Parameter estimation Overview comments To operal terms, "parameter estimation" in physics means obtaining values for parameters (constants) that appear in a traveltual model that describes data. (Exceptions exist, of ward examples: couplings in a Hamiltoniais a exponential model of data · Conventionally this process is known as "fitting to parameters" and the goat is to find the "best fit" and maybe error bors. · We will make particular interpretations of Rese phrases From our Boyssian point of view. · Plan: Set up the problem and look at how familiar ideas like "least-squares fitting" show up from a Bayesian perspective. · As we proceed, we'll make the case that for physics a bayesian approach works well,