

111319 - Bank ground remarks on the role of Bayesian reshows in Machine Loarning (ML) - ML encompresses a broad array of techniques, many of which do not require a bayesian approach, or even have a philosophy largely counter to the Buyes way of doing things. · But here are clearly places where Buyesian methods are · We will touch upon two examples! i) Buyesian Optimisation ii) Buyesian Neural Networks · Given time limitations, Rese will necessarily only be Pausons for a more complete treatment Step through the Neal Bayesian Methods for Machine Laurany selected slopes I have come from 2001, which seems out-of-date, but the inderlying ML ideas have been cround for a long time. Recent success have stemmed from retinements of do bear, some of which were thought not to work, but just reeded implementation tweats) 3. Baysian Approach to MI lar anything) · emphasis that the approach is very general
· Some of the was in step 4) are often different in MI.

also M: · Don't account the westainty, aptimize to find prediction > but some applications require on assessment of risk (redical) or a non-black-box idea of how conclusion reached (legical) 3. Distinctive features set up to contrast with black-box ML Learning Machine approach is one way to vine MI.

Note that it works best with by data, i.e. a lot of data, in which case he know that Blueslan priors become less important.

Conversely, the relevance of a Bruesian approach is greater wen data is limited for expensive to get).