INFERENCE USING MARKOU CHAIN MONTE CARLO
For linear regression, ue derived the least
squares formula by maximiting
P(y/w, 3) i.e. probability of getting some output given a model
to infer the best parameters w given some
dote we con try to learn the POSTERIOR
distribution p(W14) (we neglect p for no
which can be written ar
$b(\bar{n},\bar{n}) = b(\bar{n})b(\bar{n})$
and taking the lop
$ln\left[p(w y)\right] = ln\left[p(w)\right] + ln\left[p(y w)\right]$
prior probability least squares
p(w) con he chosen uning 2-me anset 4