2.Ridge Regression

a) Prior of : *w* is an *m*-dimensional array, the elements of which (denoted by *wi*) are i.i.d. Each of the elements is Gauss distribution. For convenience, I use this form to show the prior:

*wi* is a uniform notation for each component in vector *w*

b) =(this is the log likelihood)

(in this problem I focus on posterior log function)