Assignment no. 03 Machine Learning

Due date : 30 March 2025

Question:

If p(w) = N(w|µ,Λ -1 ) (follows guassian) and p(t|w) = N(t|Aw+b,L -1 ) (follows guassian)

then prove p(w|t) = N(w|Σ{At L(t-b)+Λµ},Σ) ( also follows guassian)