

Department of Biomedical Informatics

- It is important to be able to predict, for each individual patient, the likelihood of later metastatic occurrence, because the prediction can guide treatment plans tailored to a specific patient to prevent metastasis and to help avoid under-treatment or over-treatment.
- We developed deep feed forward neural network models (DFNN) that can be used to conduct such a prediction task, and we conducted grid searches to optimize model performance.

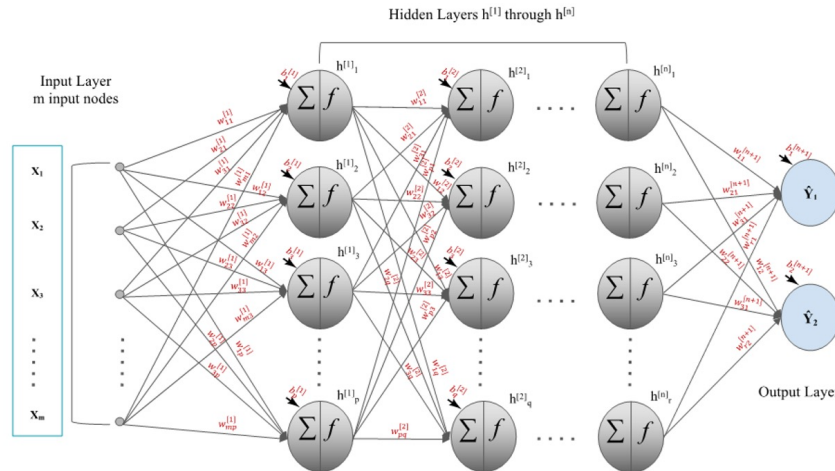


Figure 1: The structure of our DFNN models

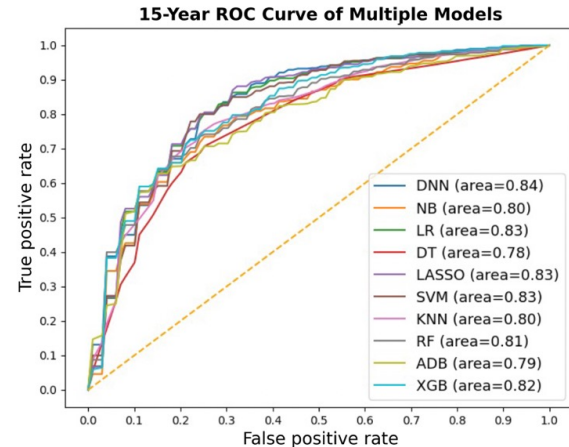


Figure 2: Prediction performance comparison