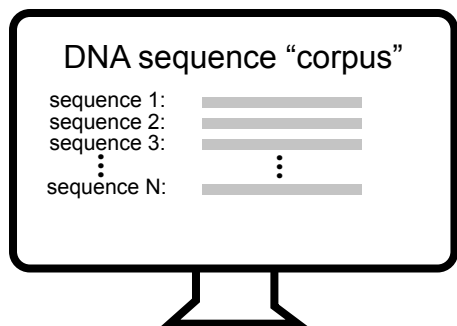
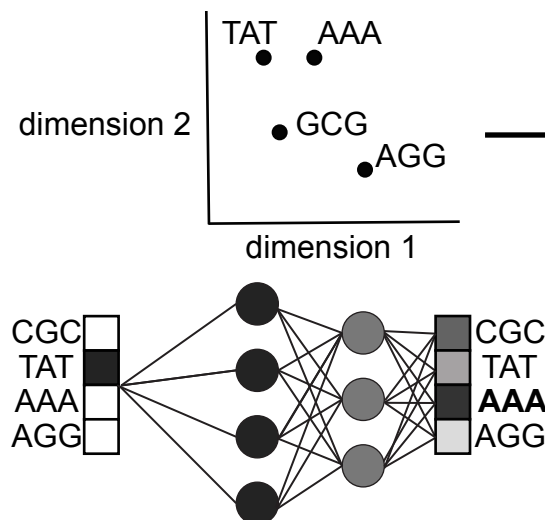


## Aim 1: Develop natural language processing-based model for promoter identification

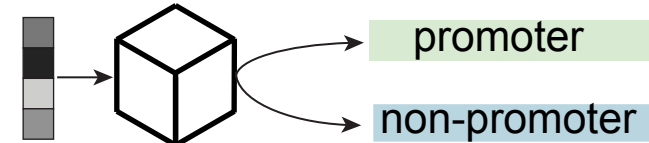
Parse promoter databases



Create word embedding

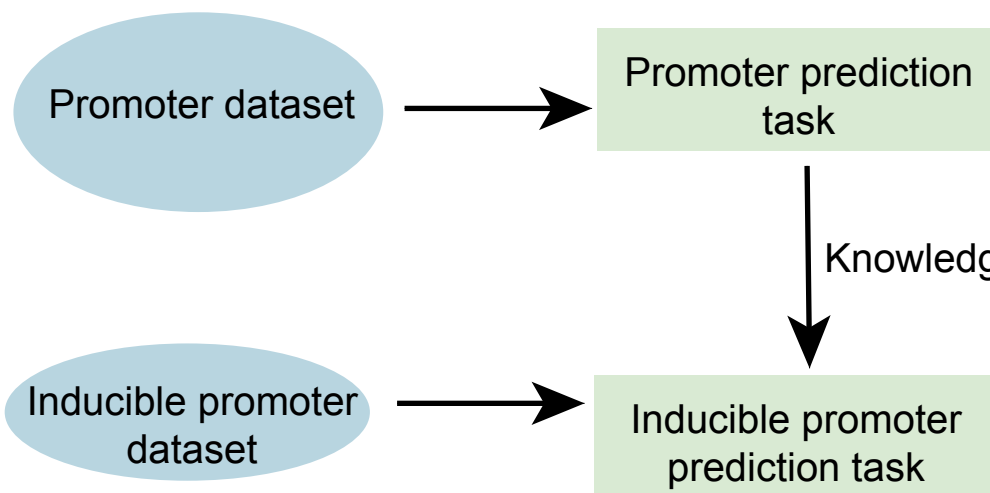


Use word embedding for promoter prediction

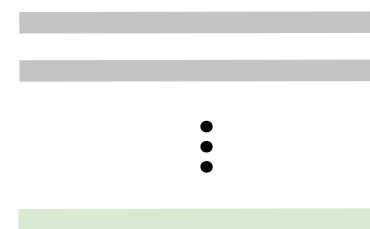


## Aim 2: Extend model to identify inducible promoter sequences

Train transfer learning model



Apply model to genome sequences



## Aim 3: Experimentally validate inducible promoter predictions

