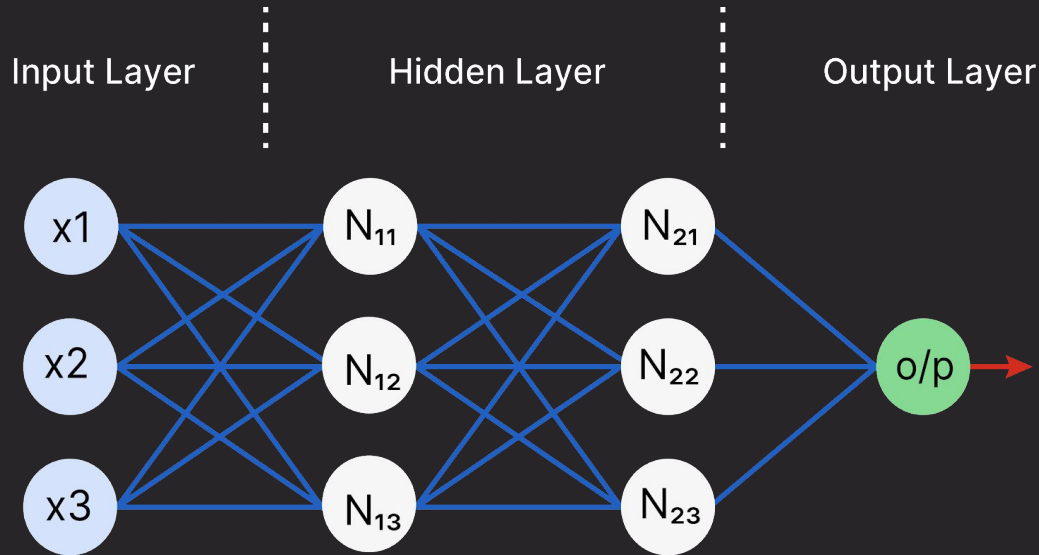


Building a basic classification model

Video 7: Limitations of ANN

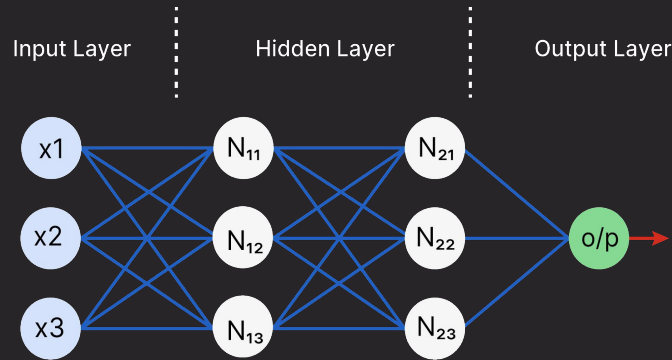
ANN Architecture



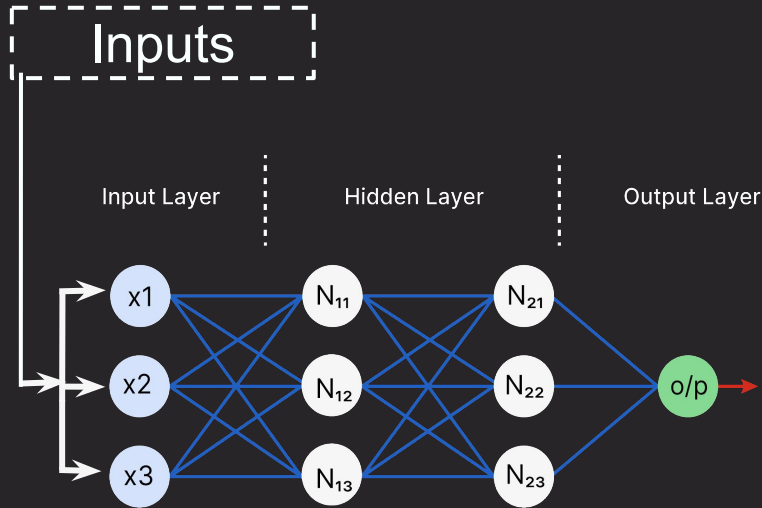
Limitations of ANN

1

Fixed Input Size



Limitations of ANN



1

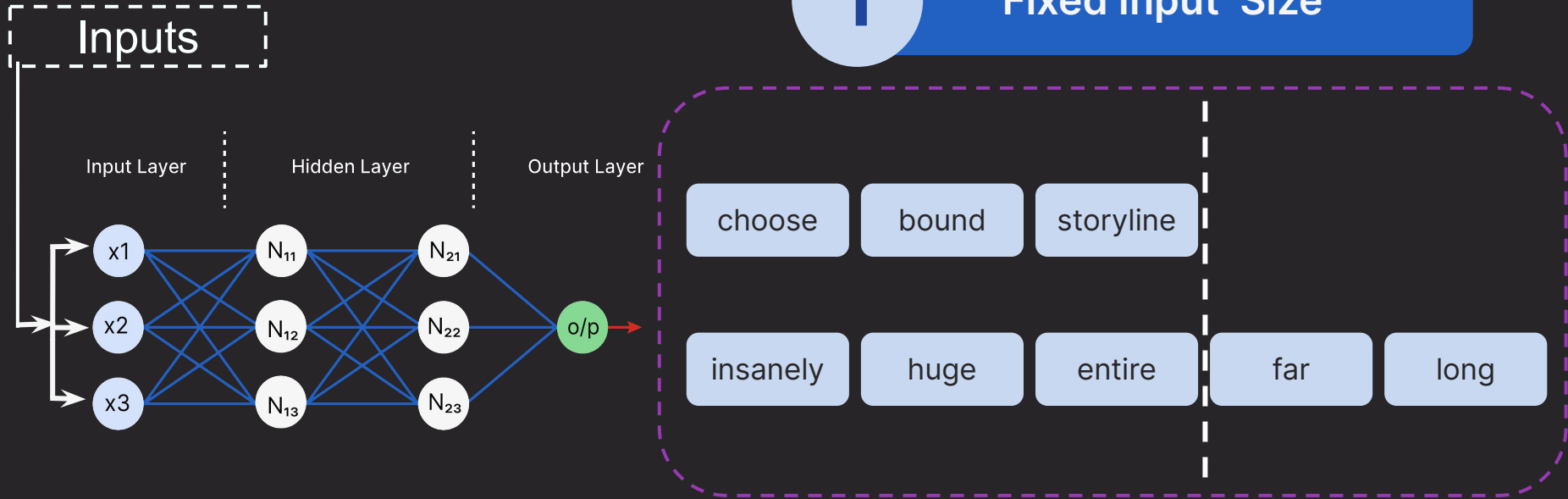
Fixed Input Size



Limitations of ANN

1

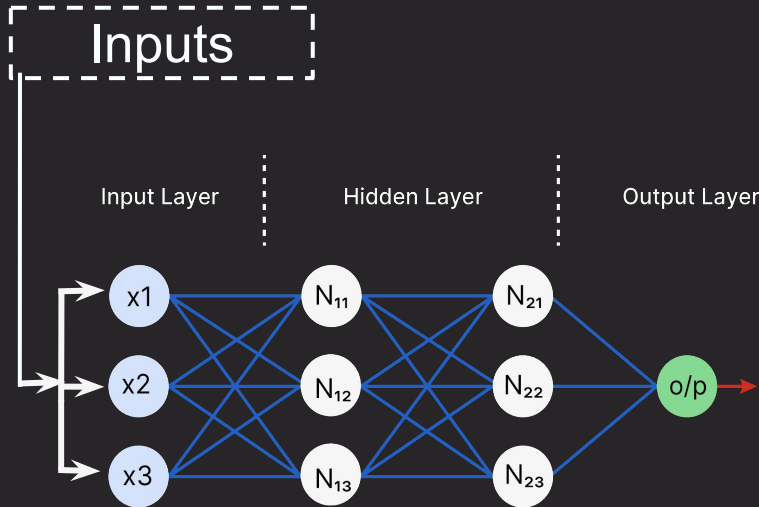
Fixed Input Size



Limitations of ANN

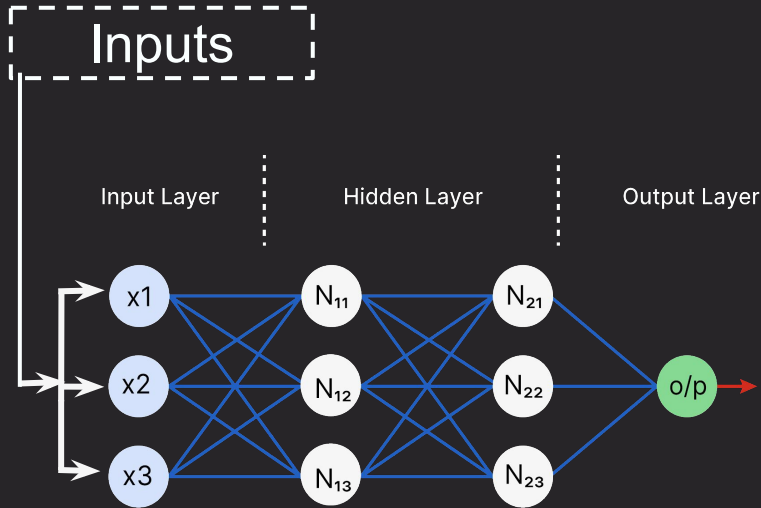
2

Fixed Output Size



- Limiting its effectiveness in text generation task such as translation , summarization etc.

Limitations of ANN



3

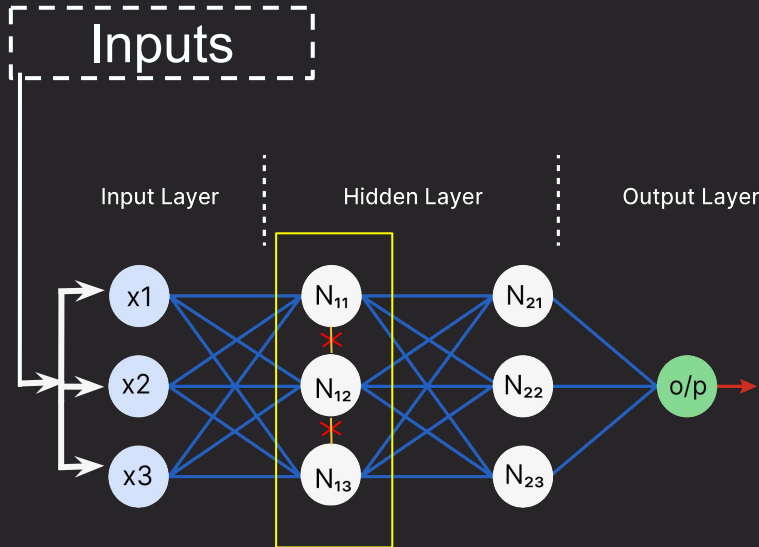
Unable to process sequential data

- Order and Relationship between inputs are not considered.
- Example : Understanding sentence and next word prediction.

Limitations of ANN

3

Unable to process sequential data



- Order and Relationship between inputs are not considered.
- Example : Understanding sentence and next word prediction.

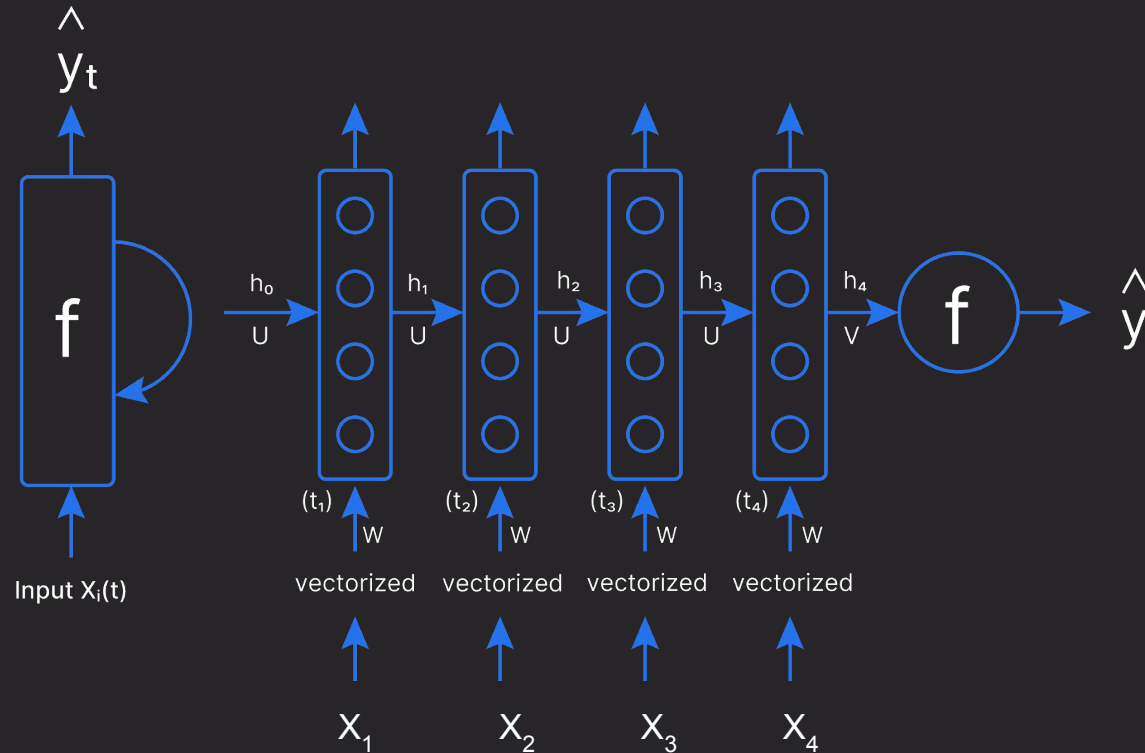
Limitations of ANN



Complete the following sentence.

“Life is full of _____.”

Recurrent Neural Network



In air