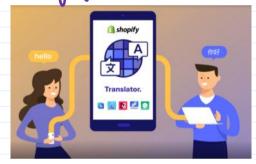
06 September 2024 11:1

Recurrent Neural Networks (RNNs). (5 equence - to-sequence Learning) Time-series data

=> Temporal dependence

Appliation " example to example "

Lanjuge Transition



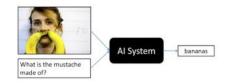
1 Speech Signal to text

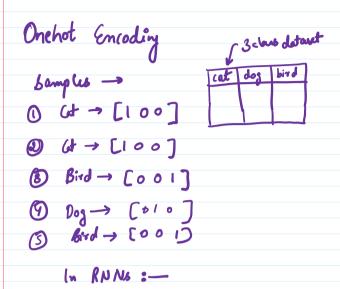


(3) Longe Captioning



1 Visual Question Aswering: -

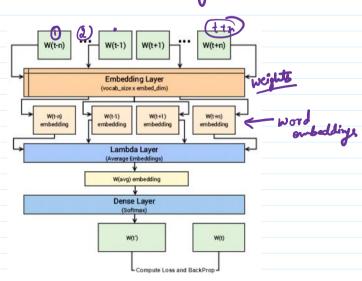




- 1) The weather is good today.
- The Weather is pleasant today.

 The → [100000]

Word 2 Vec Embeddings.



Steps:
O Words are pand to

On embedding (agus (suitializes

weights).

- D Word embeddings -> Lambde
 Layer

 (Aug. embeddings)
- 3) Average Embedding -> Predicted Word

 (Softmax)
 - 1 Lors (predicted, actual).

Input -> \{ \(\mathref{u}_1, \, \mathref{u}_2, - \dots, \, \mathref{u}_t, - \dots, \, \mathref{u}_{n-1}, \, \mathref{u}_n \} \\ \)
Output -> \{ \(\mathref{y}_1, \, \mathref{y}_2, - - \dots, \, \mathref{y}_t, - \dots, \, \mathref{y}_{n-1}, \, \mathref{y}_n \} \\ \)