RNN

Language Model:

n-grama Language Model:

“Go to school.” The P of (“school”|”go”,”to”) = (count(“go to school”))/(cout(“go to”))

RNN

Timestep

Diagram

Description automatically generated

Embedding: transfer learning

A picture containing timeline

Description automatically generated

Diagram

Description automatically generated

Graphical user interface, text

Description automatically generated

Diagram

Description automatically generated

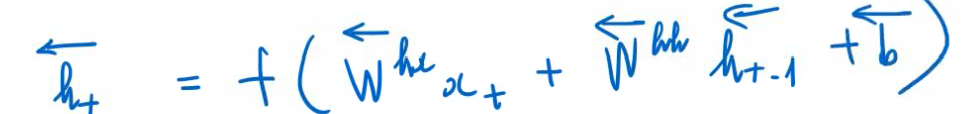
Simple RNN; LSTM, Bi-directional, and Deep Bi- directional

Chart, radar chart

Description automatically generated

Left to right: A picture containing diagram

Description automatically generated

Right to left:  . Improve: LSTM (long short term memories), GRU.

Radar chart

Description automatically generated with medium confidence

Predict: Icon, whiteboard

Description automatically generated

LSTM

Table

Description automatically generated with medium confidence