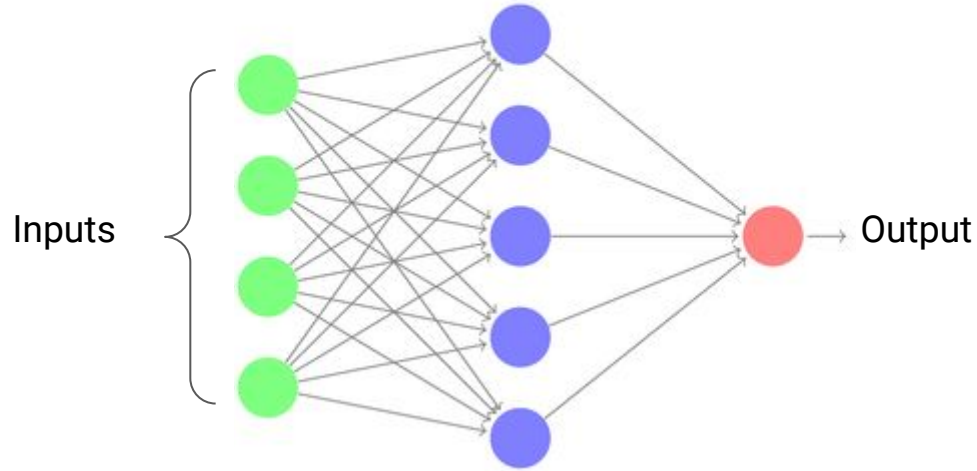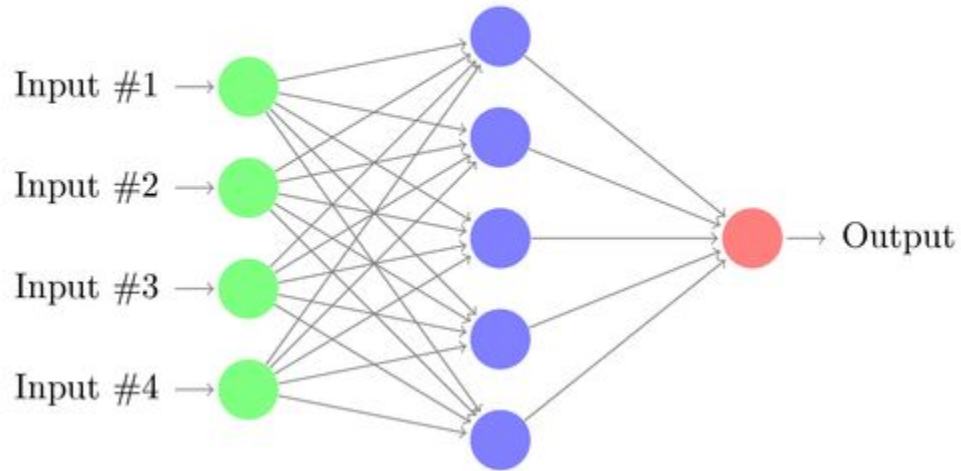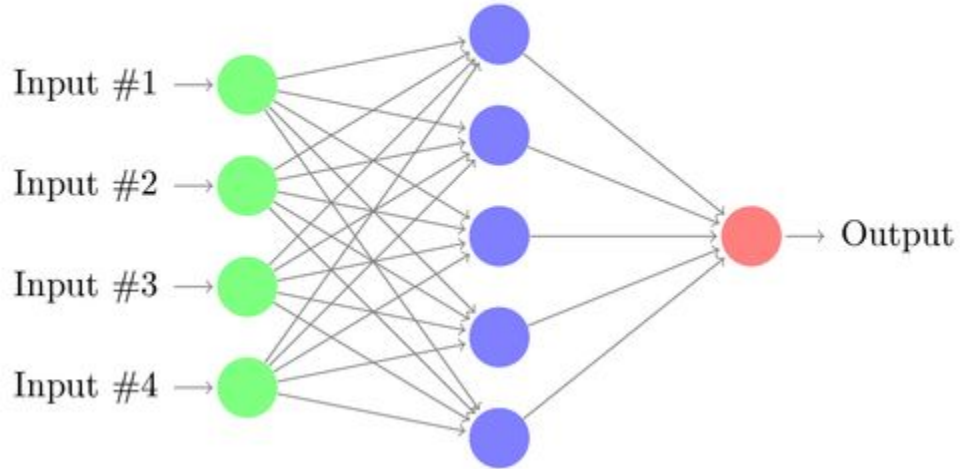Recap

Learnings - MLP

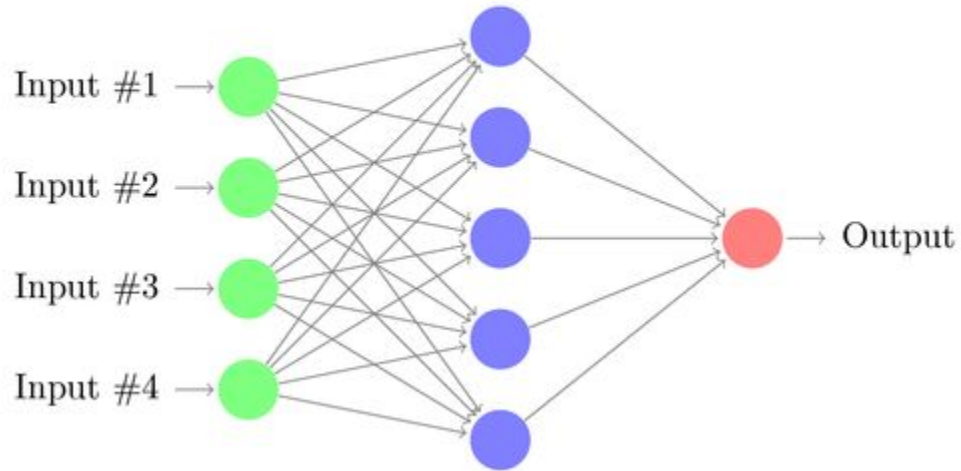- Forward Propagation

Learnings - MLP

- Forward Propagation
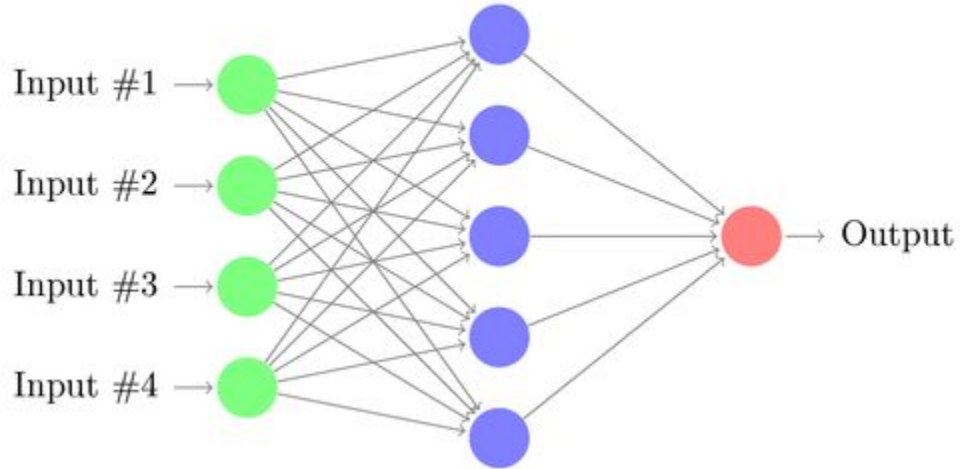
- Back Propagation

Learnings - MLP

- Forward Propagation

- Back Propagation

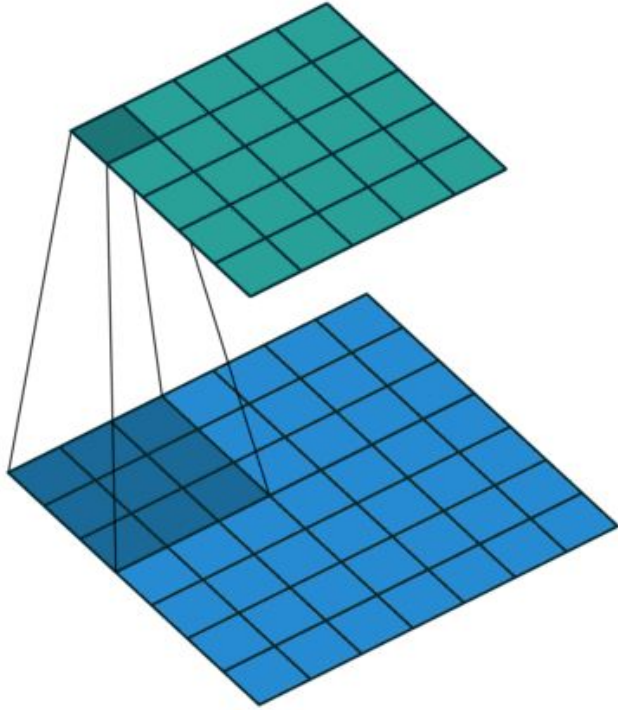- Hyperparameter Tuning

Learnings - MLP

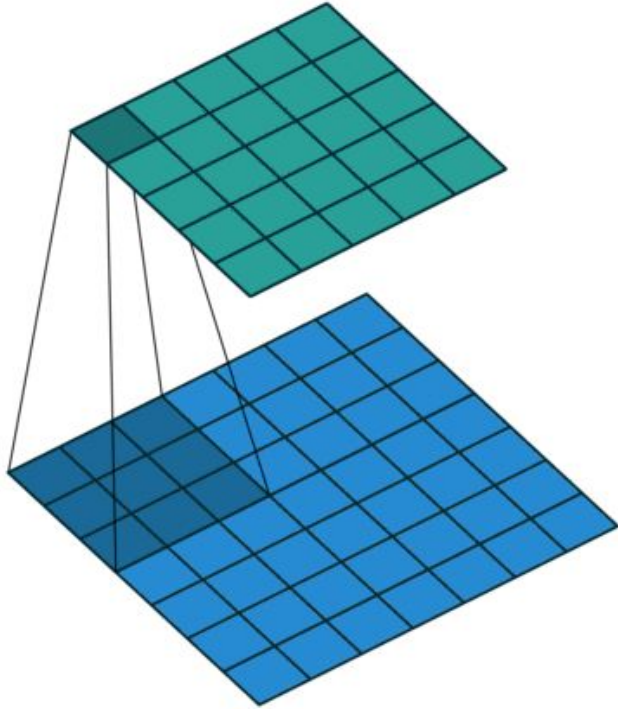- Solved Loan Prediction problem

Learnings - MLP

- Solved Loan Prediction problem

- Solved Emergency vs Non Emergency Vehicle problem
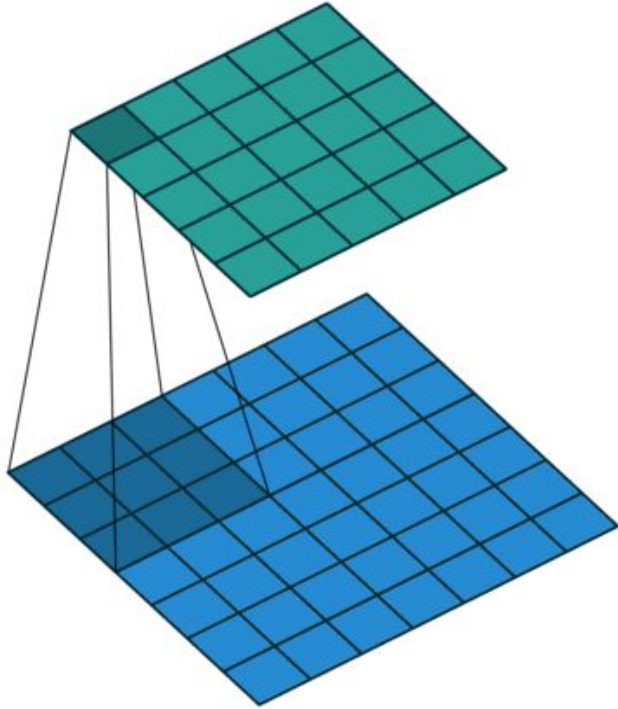
Learnings - CNN
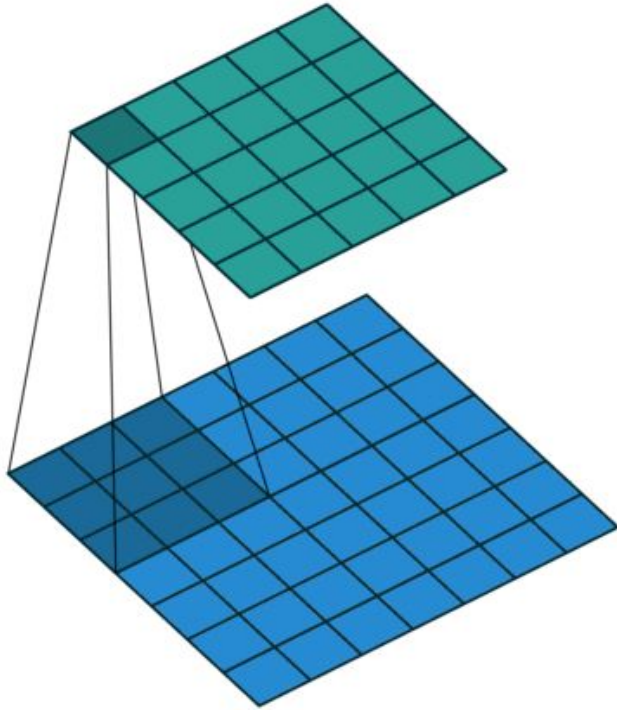
Learnings - CNN

- Suitable for image data

Learnings - CNN

- Suitable for image data
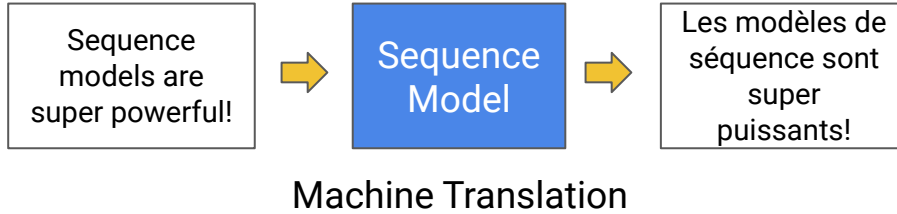
- Filters, padding, pooling

Learnings - CNN

- Suitable for image data

- Filters, padding, pooling

- Solved Emergency vs Non Emergency Vehicle problem

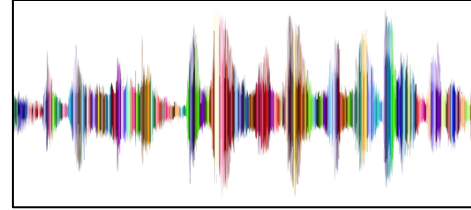# Sequence Modeling

Sequence Modeling
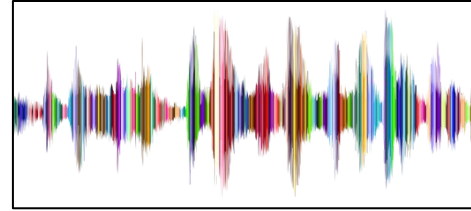
Sequence Modeling

Machine Translation

Audio Classification

Sequence Modeling
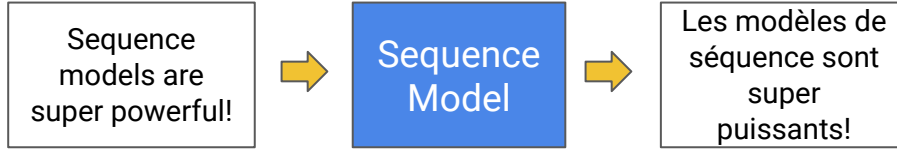
Machine Translation

Audio Classification
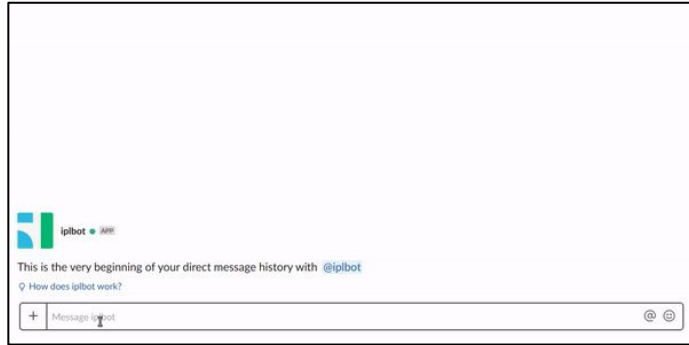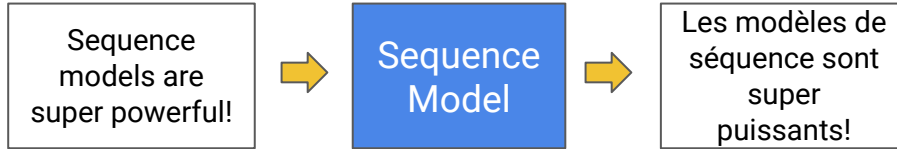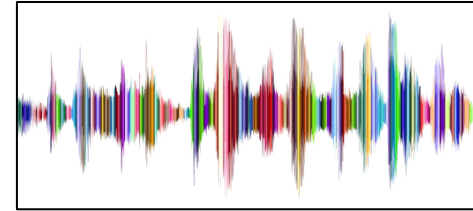

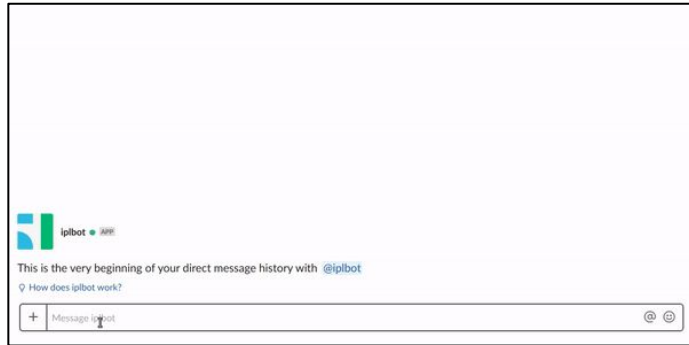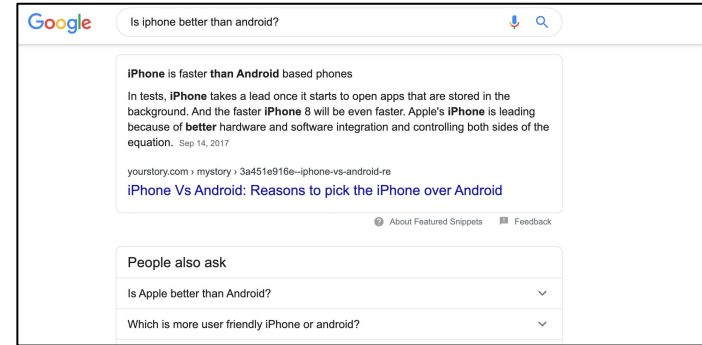
Dialog Systems

Sequence Modeling

Machine Translation

Audio Classification
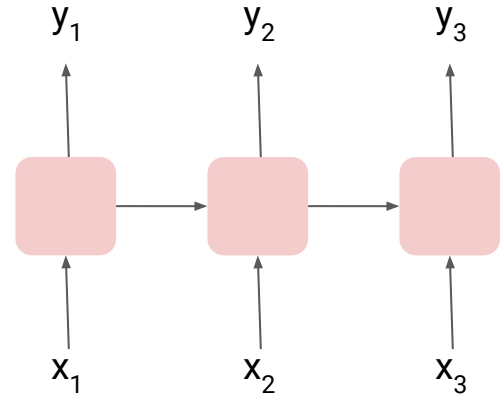

Dialog Systems

Search Engines

Sequence Modeling

- Recurrent Neural Networks (RNN) are built to handle sequence data

y_1 y_2 y_3

x_1 x_2 x_3

Sequence Modeling

- Recurrent Neural Networks (RNN) are built to handle sequence data

- RNN can handle a variety of sequence data

$y_1 \quad y_2 \quad y_3$

$x_1 \quad x_2 \quad x_3$
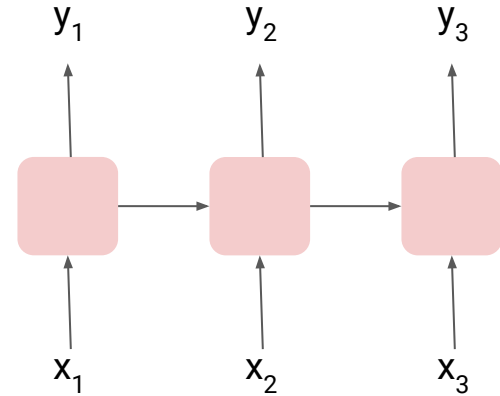
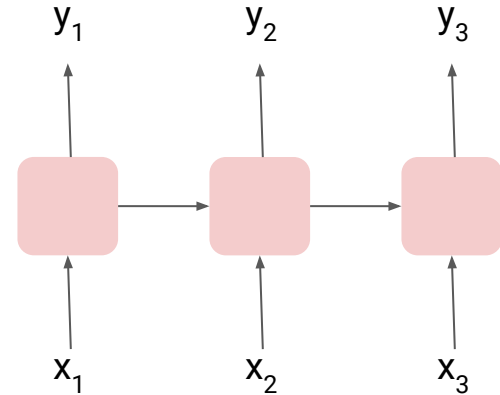# Sequence Modeling

- Recurrent Neural Networks (RNN) are built to handle sequence data

- RNN can handle a variety of sequence data

- It can model time series data, audio data, video frames, text etc.

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Thank You

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