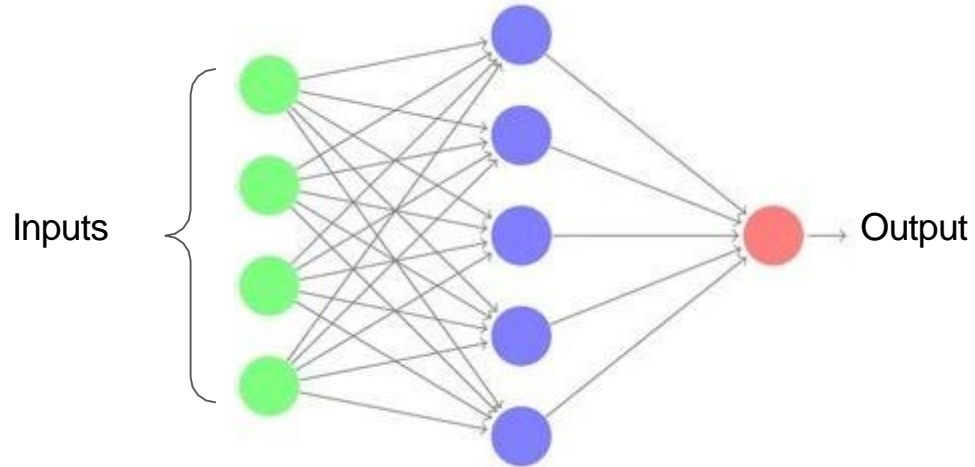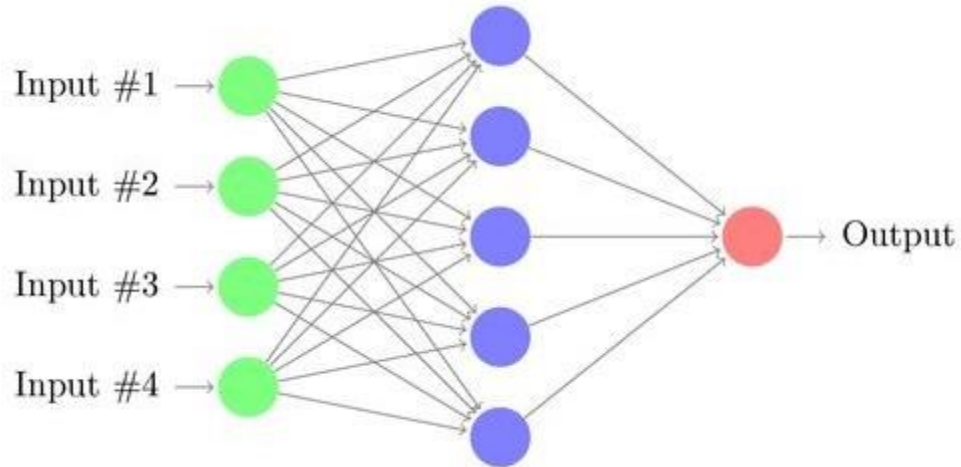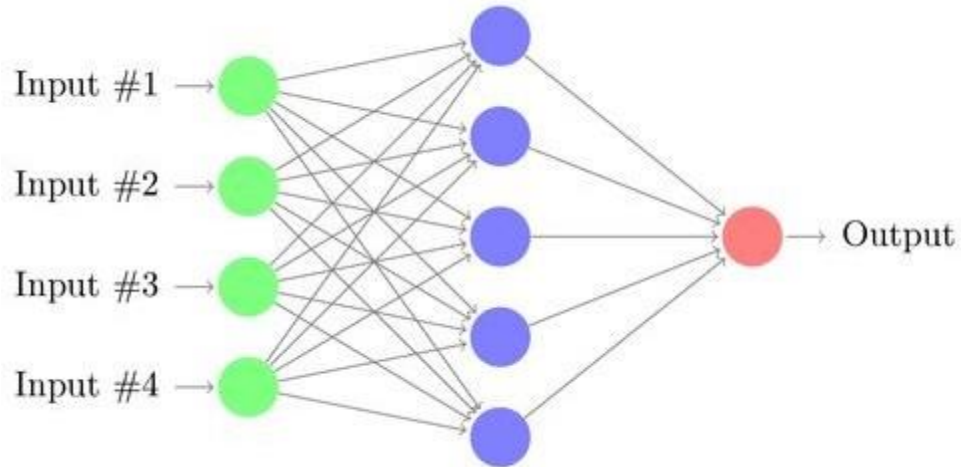# Recap

Learnings - MLP

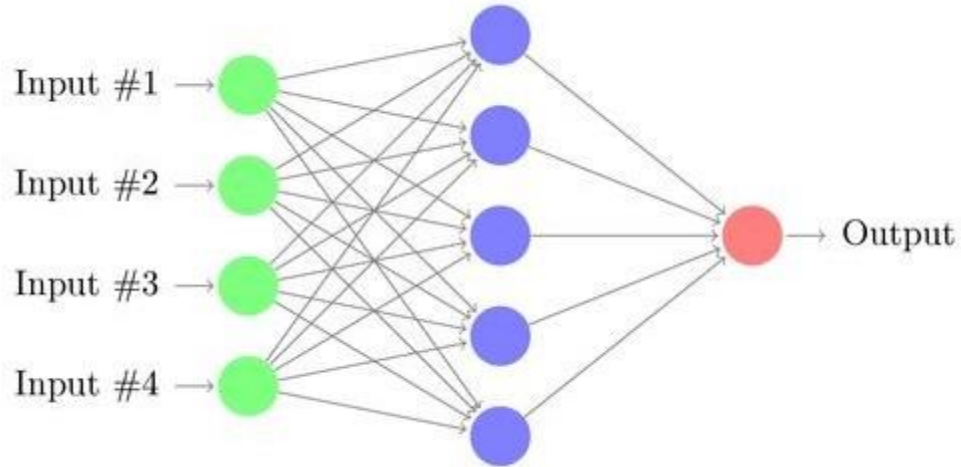- Forward Propagation

Learnings - MLP

- Forward Propagation
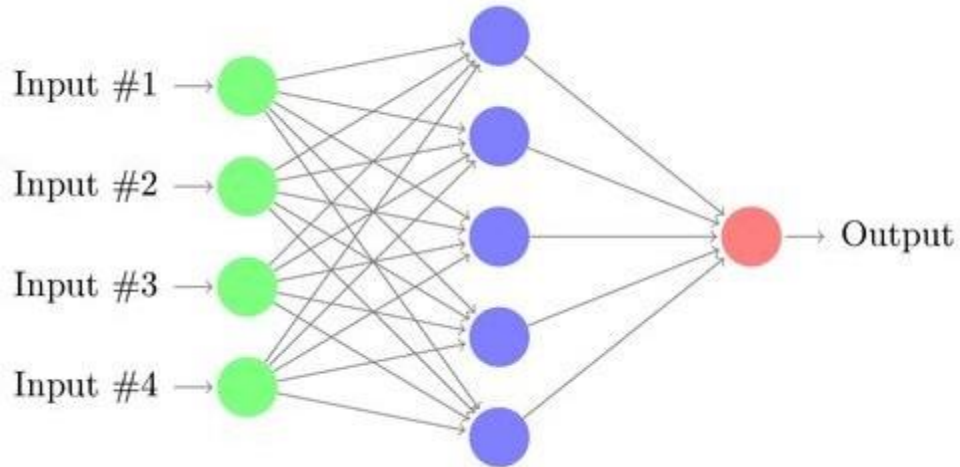
- Back Propagation

Learnings - MLP

- Forward Propagation

- Back Propagation

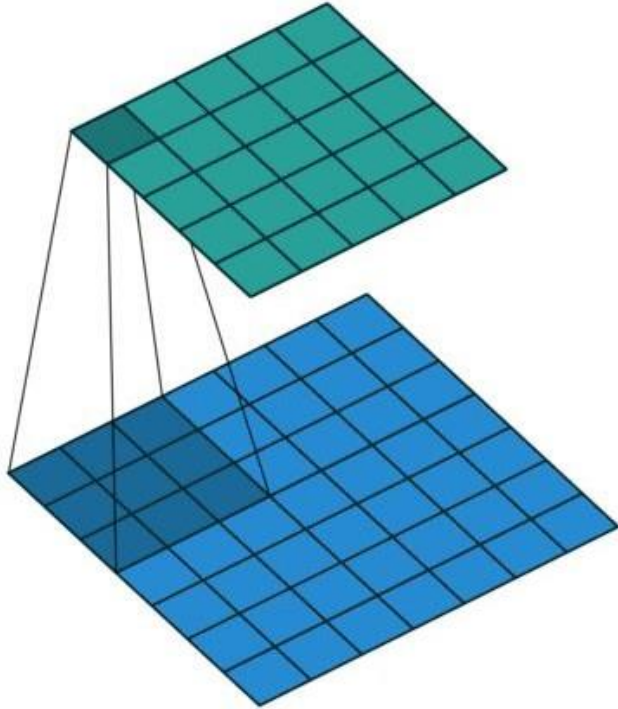- Hyperparameter Tuning

Learnings - MLP

- Solved Loan Prediction problem
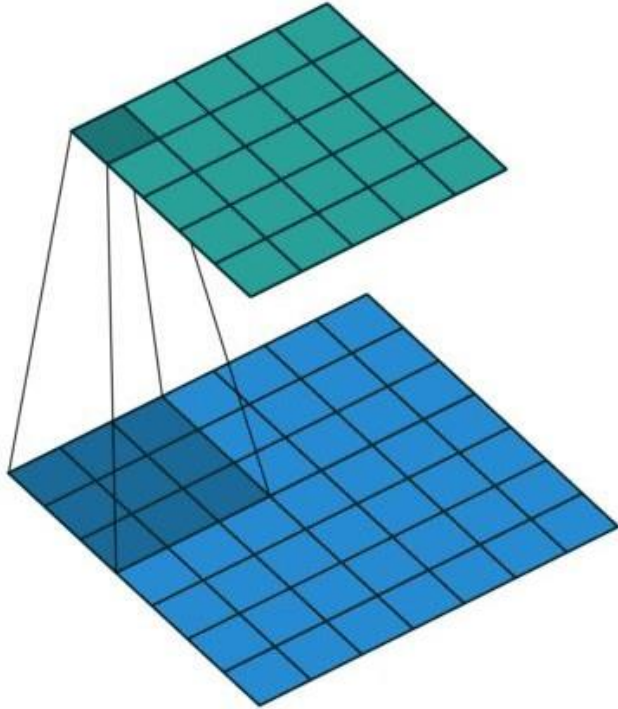
Learnings - MLP

- Solved Loan Prediction problem

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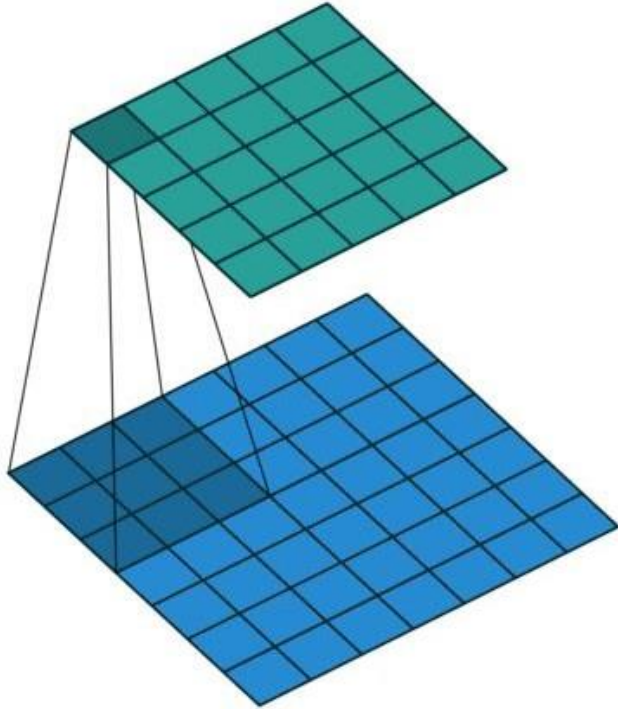
Learnings - CNN
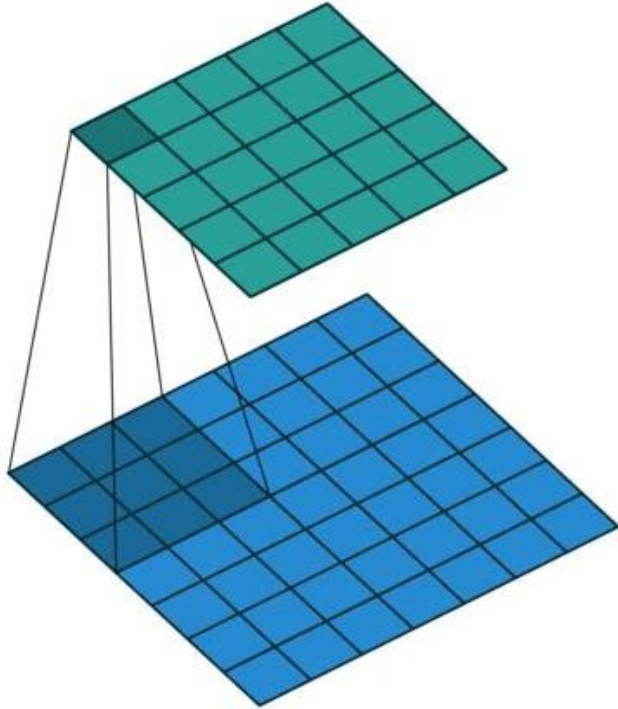
Learnings -CNN

- Suitable for image data

Learnings - CNN

- Suitable for image data
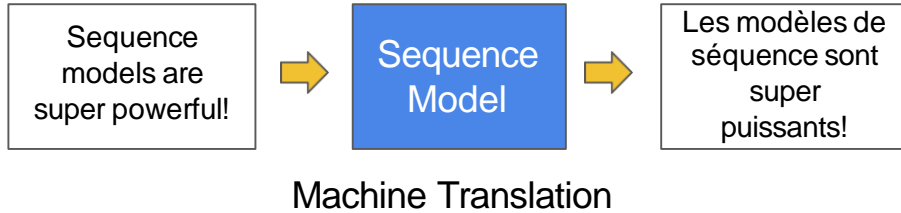
- Filters, padding, pooling

Learnings - CNN

- Suitable for image data

- Filters, padding, pooling

- Solved Emergency vs Non Emergency Vehicle problem

Sequence Modeling

Sequence Modeling

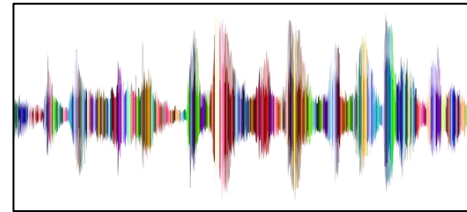Sequence models are super powerful! → Sequence Model → Les modèles de séquence sont super puissants!

Machine Translation

Sequence Modeling

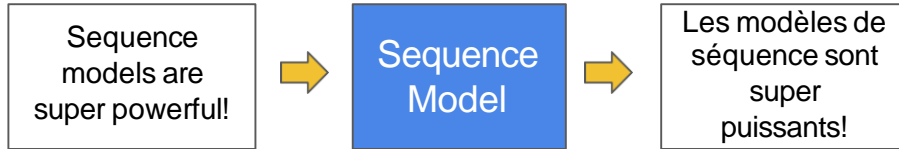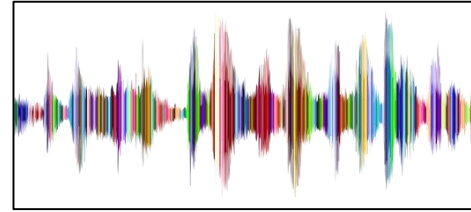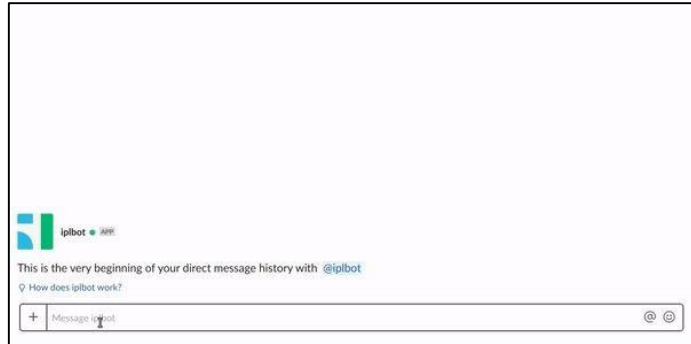| Sequence models are super powerful! | ⟹ | Sequence Model | ⟹ | Les modèles de séquence sont super puissants! |

Machine Translation

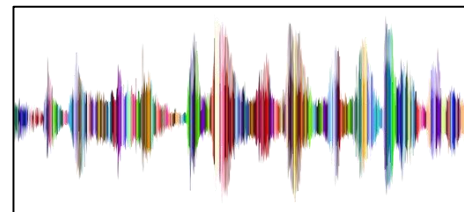Audio Classification

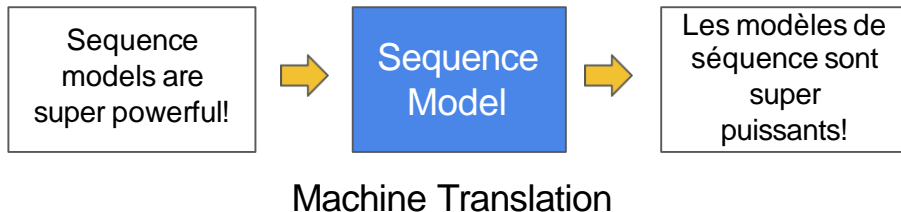# Sequence Modeling
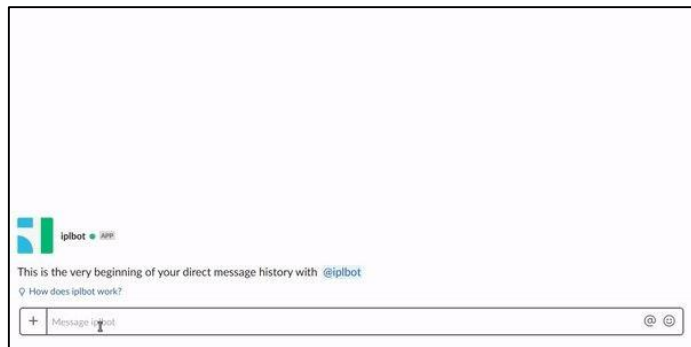

Machine Translation

Audio Classification

Dialog Systems

Sequence Modeling

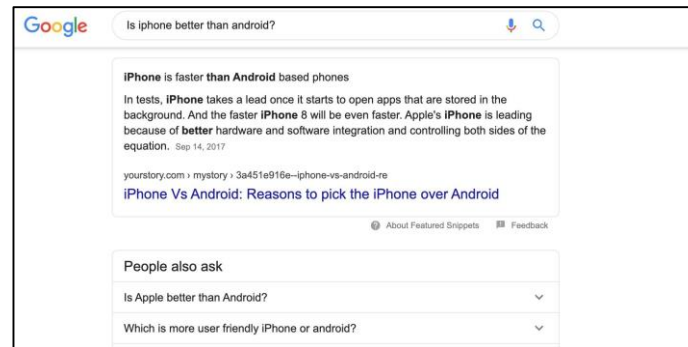

Machine Translation
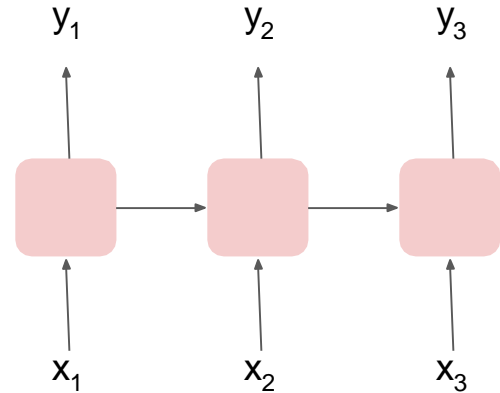

Audio Classification
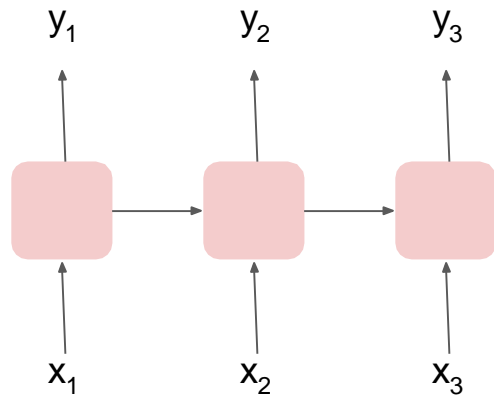

Dialog Systems

Search Engines

Sequence Modeling

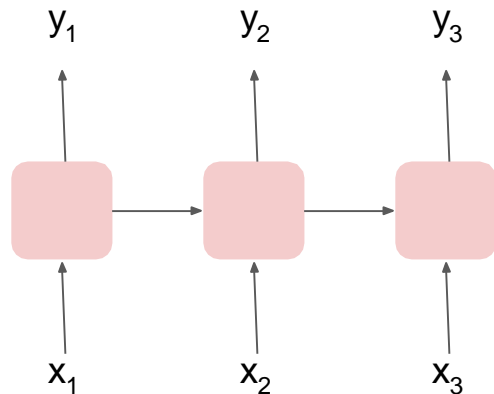- Recurrent Neural Networks (RNN) are built to handle sequence data

Sequence Modeling

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

- RNN can handle a variety of 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

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

y_1 y_2 y_3

x_1 x_2 x_3

Thank You