

Thesis General Notes

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1 Notes

This file shall be used only to take general notes on the project

NOTE: Do not erase points but add status to them (unsolved, solved, irrelevant, ...)

2 Neural Grammar

Neural grammar has been defined only for "direct" models, meaning we have not implemented skip-connections and branches. Despite that, grammar is sufficiently general and defined for Linear, Recurrent and Convolutional networks

- **pooling**: grammar has not implemented yet any pooling operation

3 Variational Auto Encoders

We explore a deep range of variational auto-encoders, from the original formulation by Kingma and Welling to more recent formulations.