



Prof. R. Wattenhofer

Music Theory Meets Deep Learning

Deep Neural Networks have been successful in many areas, such as image recognition. When it comes to generating good sounding music however, there have been surprisingly few results. Recently, the pace has picked up a bit, and some nice-sounding samples have come out of Neural Networks.

The area is still in its infancy though, and we think this is the perfect time to try something ourselves. For this particular thesis, we want to use Music Theory as prior knowledge to structure Deep Neural Networks to produce various kinds of music. If this sounds interesting to you, do not hesitate to contact us, so that we can have a chat.

Requirements: Knowledge of Music Theory. Interest in Deep Learning (prior experience would be nice, but is not a must).

Interested? Please contact us for more details!



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