



# Neural Networks Research Group

@ PeWe

GROUP INTRODUCTION

25 SEPTEMBER 2019

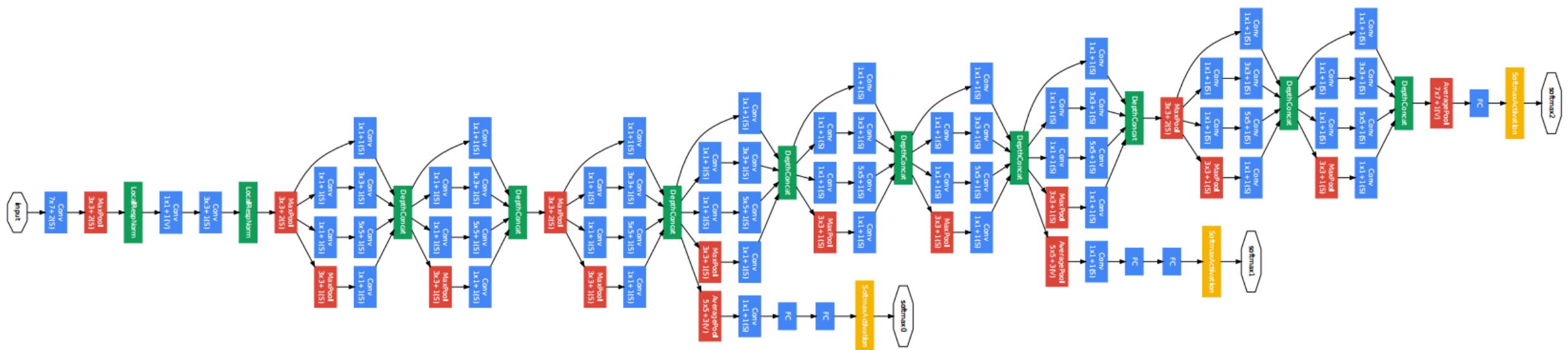
# Neural networks



# Neural networks

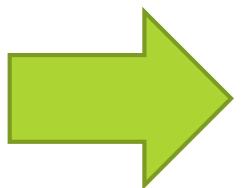
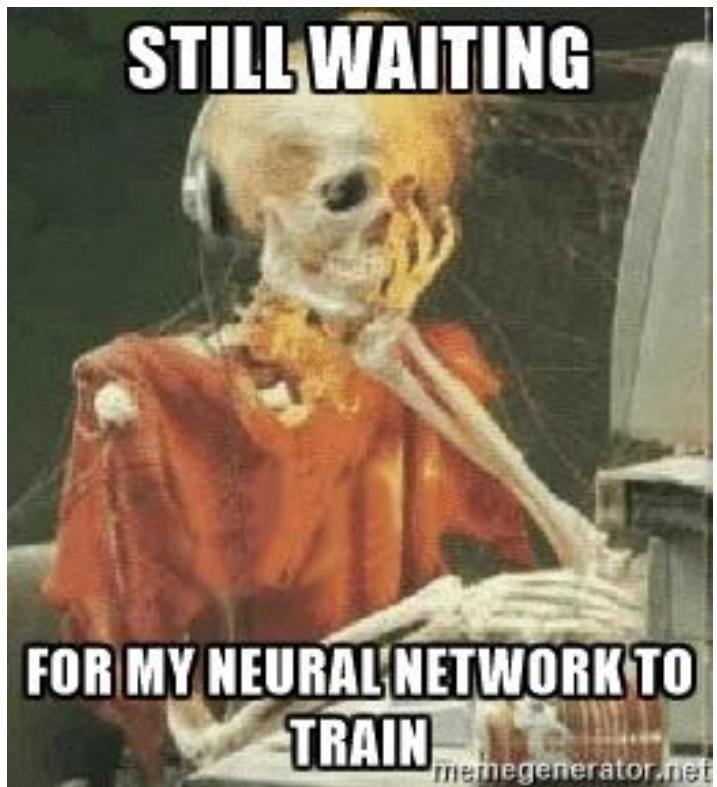


# Deep networks

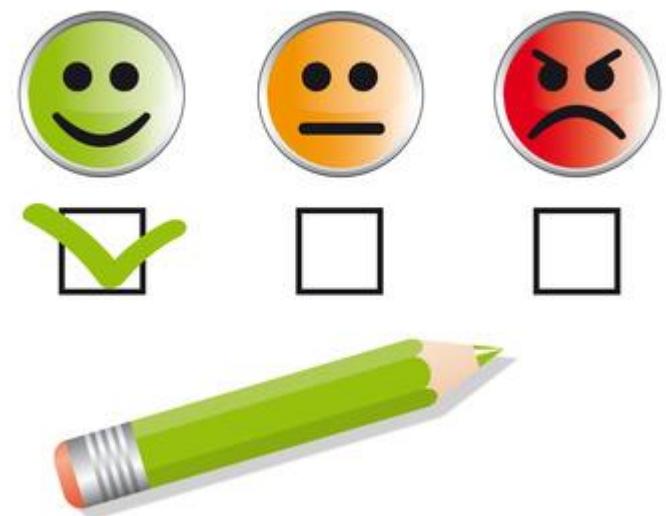
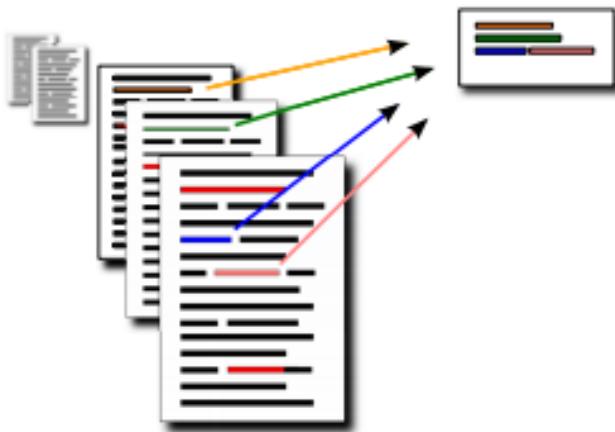
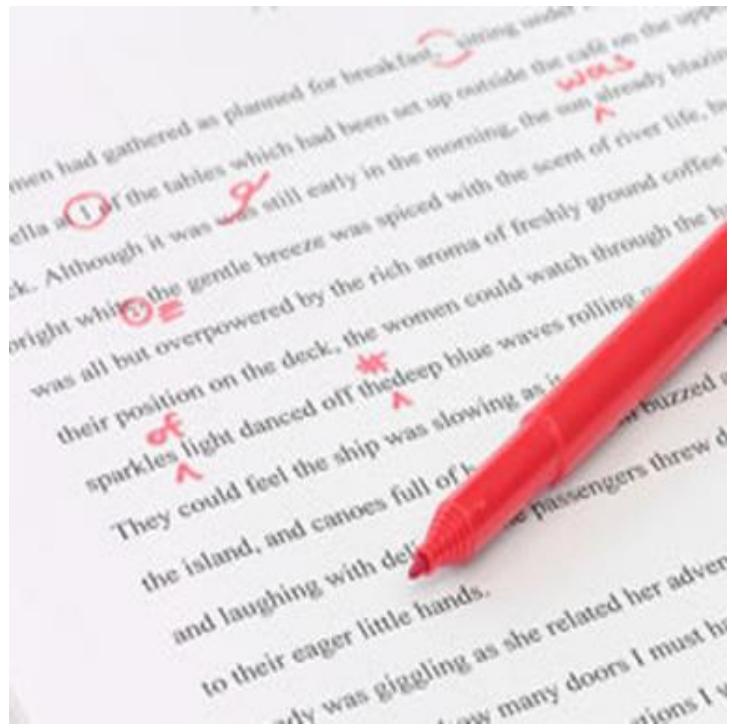


<https://indico.io/blog/wp-content/uploads/2015/08/googlenet.png>

# Deep networks

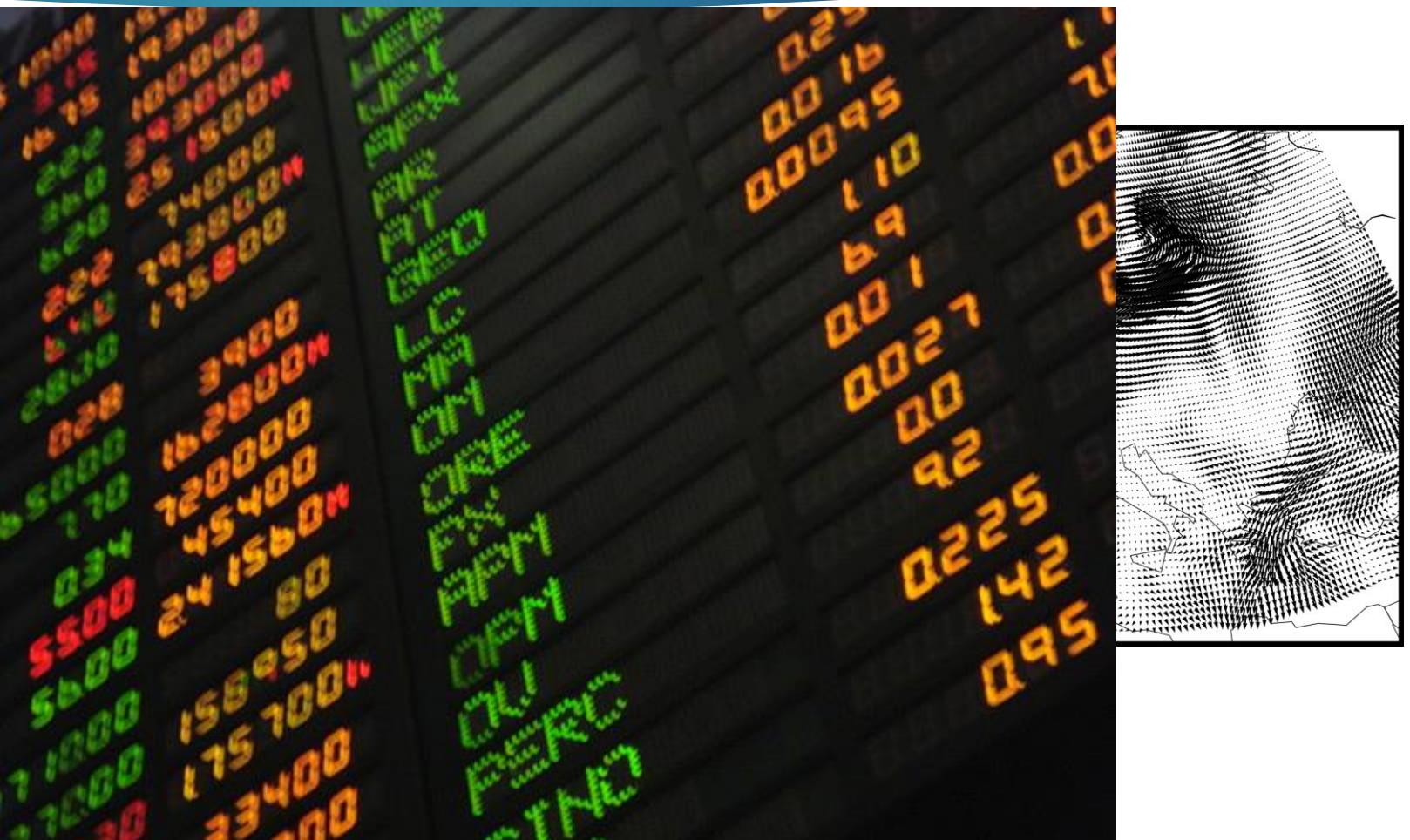
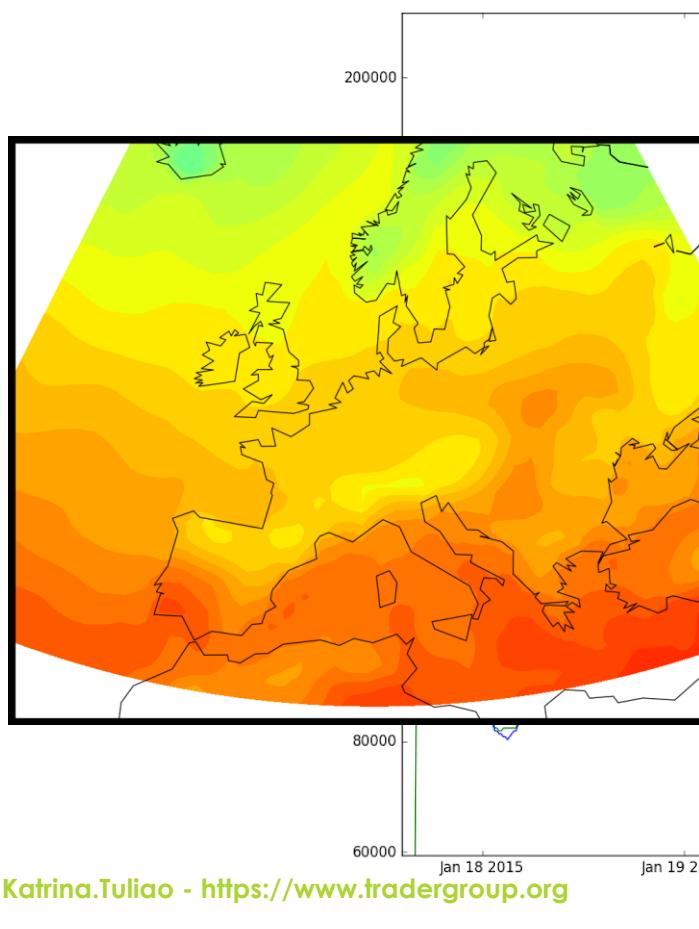


# Natural language processing (NLP)

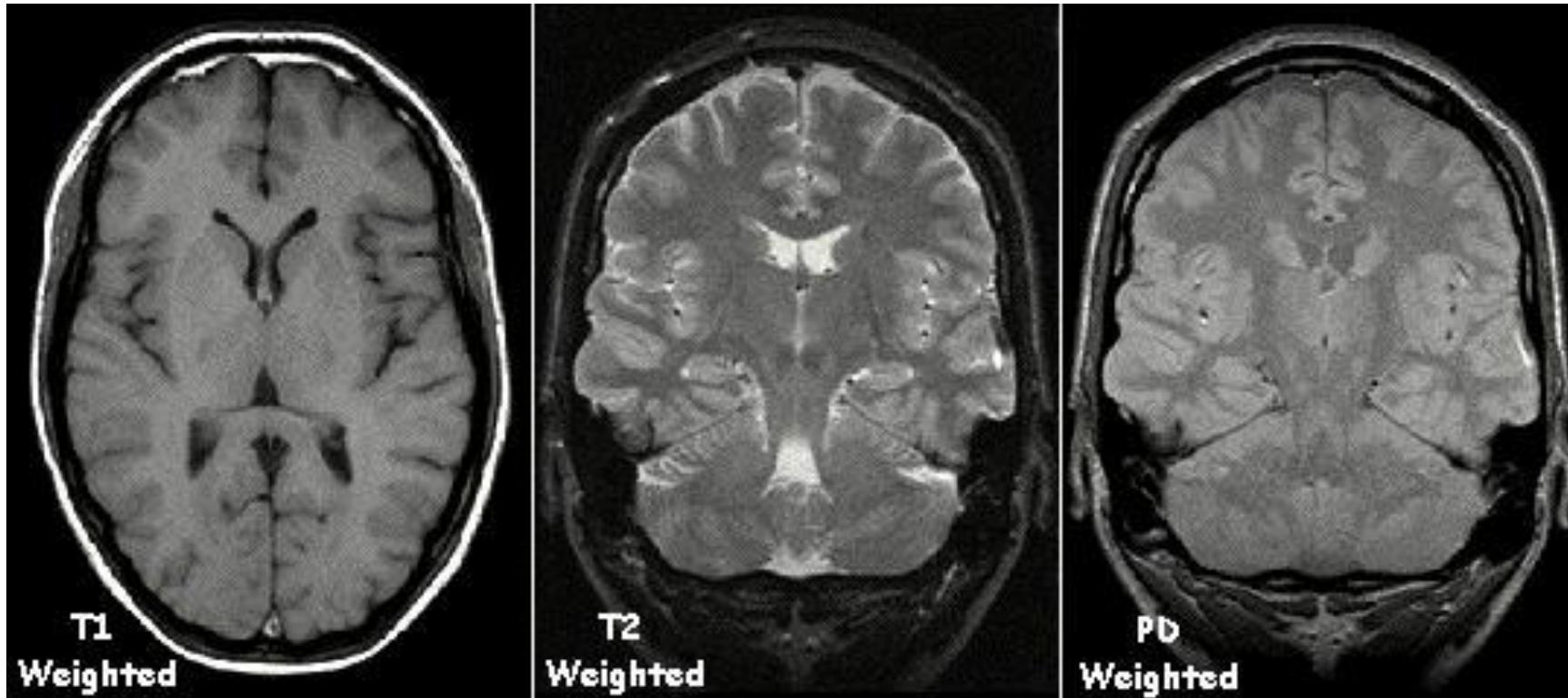


M. Kagebäck, O. Mogren, N. Tahmasebi, and D. Dubhashi. Proceedings of the 2nd Workshop on Continuous Vector Space Models and their Compositionality (CVSC), page 31--39. Gothenburg, Sweden, Association for Computational Linguistics, (April 2014)

# (Time) series prediction



# Image processing



# Members

## Staff

- ▶ Peter Lacko
- ▶ Mária Bieliková
- ▶ Marián Šimko

## Doctoral students

- ▶ Matúš Pikuliak
- ▶ Samuel Pecár
- ▶ Michal Farkaš
- ▶ Martin Tamajka
- ▶ Lukáš Marták
- ▶ Viktor Bachratý
- ▶ ...

**+ everyone who wants to train his/her network(s)**