

# Generalization Ideas in Deep Learning

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*Seminar: Optimization and Generalization in Deep Learning*

## Abstract

Write a brief abstract here (around 150 words).  
Generalization is nice.

## 1 A few remarks

Each report should include an introduction describing the problem, the motivations and a brief outline. The main approach should then be described and discussed in separate sections, followed by experimental results (when applicable) and conclusions.

- Please use citations when appropriate. Again, you are not expected to read through all the references appearing in your assigned paper. Add your citations in bibtex format into the file egbib.bib. An example is [1].
- You can use the theorem environment to write theorems. An example:

**Theorem 1.** *Let  $p$  be a prime number. Then, for any  $a \in \mathbb{N}$ ,  $a^p - a$  is evenly divisible by  $p$ . More formally,*

$$a^p \equiv a \pmod{p}. \tag{1}$$

- Please keep all your formulas numbered.
- The report should be 4 to 6 pages long (not including citations).
- Reports must be in English.
- Please do not change the layout (*e.g.*, do not change page margins, font size, etc.).

## References

- [1] Behnam Neyshabur, Srinadh Bhojanapalli, David McAllester, and Nati Srebro. Exploring generalization in deep learning. In *Advances in Neural Information Processing Systems*, pages 5947–5956, 2017.