

# Lecture 5 - Exercise sheet

## Master in Deep Learning - Generative Models

Pablo Miralles-González, Javier Huertas-Tato

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### **Problem 1.**

What do you trade-off with the size of the vocabulary (number of possible tokens) in language models?

### **Problem 2.**

Why is it surprisingly difficult for a Large Language Model to reverse some strings?

### **Problem 3.**

Why is it better to use a decoder-only Transformer than an encoder-only Transformer for text generation?

### **Problem 4.**

What do we trade-off with the different parameters in the decoding strategy?