

# Sampling and overfitting

Formation IA biodiversité

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# Introduction

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# What do we want when modelling ?

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All models are wrong but some are useful

# Overfitting

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# What is overfitting

# Common tools and intuitions

## Now in Machine Learning ?



## And in Deep Learning

How many parameters to have Shrek learning botany starting from random noise ?

## Common traps (in Ecology)

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## How to sample and evaluate ?

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## Usefull ressources

- `scikit-learn docs !`
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**Thanks for you attention !**

**Let's practice !**

# References i