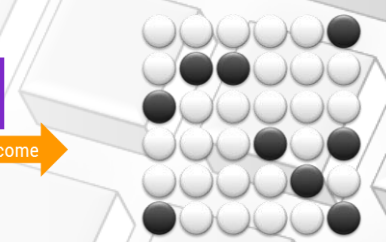
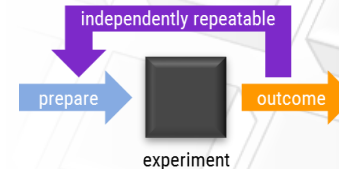
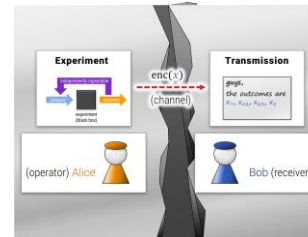
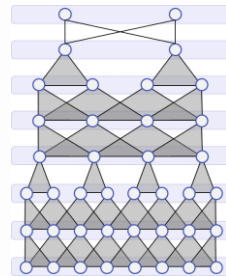
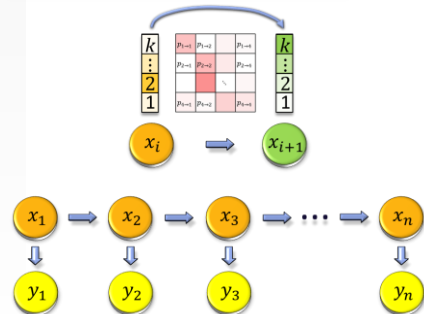
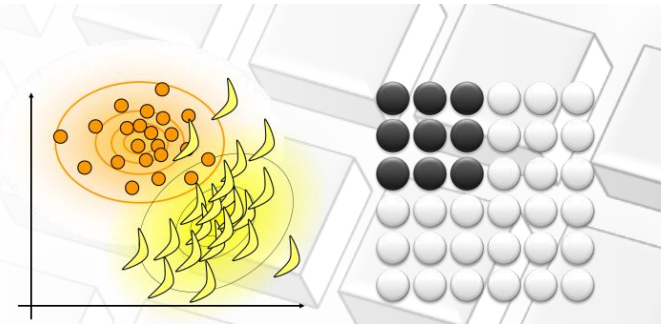
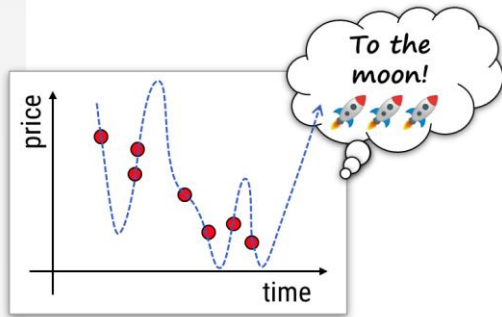


# Modelling 2

## STATISTICAL DATA MODELLING

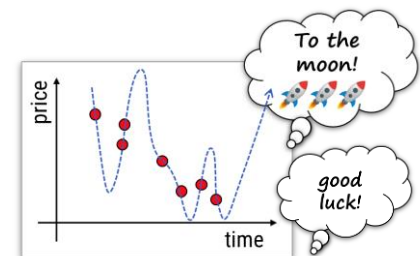
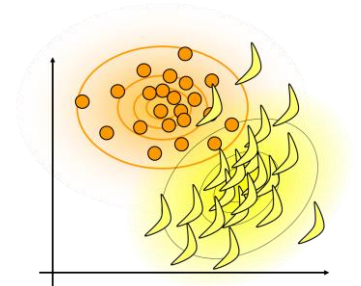
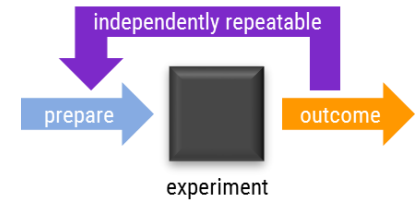


# Last Chapter Concluding Remarks

# Lecture in Review

## Part I

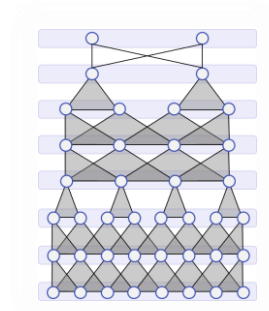
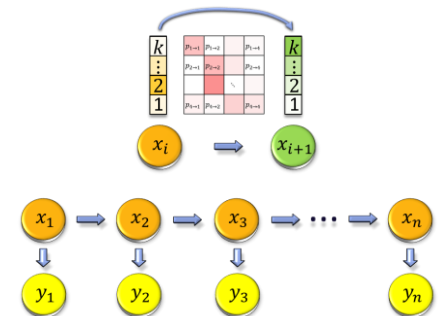
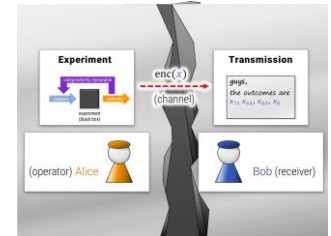
- Knowledge & uncertainty
- Frequentist & Bayesian Statistics
- Machine Learning & Data Analysis
- Generalization



# Lecture in Review

## Part I

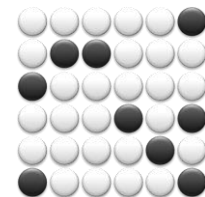
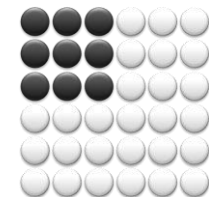
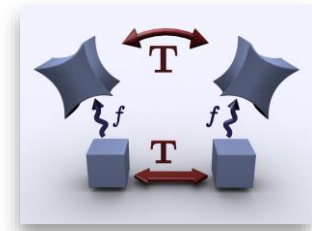
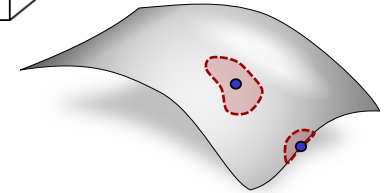
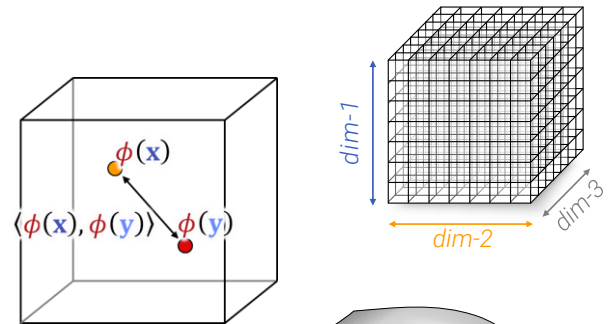
- Information Theory
- Graphical Models & MRFs
- Deep Learning



# Lecture in Review

## Part II

- Space
  - The curse of dimensionality
  - Kernels
  - Manifolds
- Symmetry
- Physics & Self-organization



The End