



# Machine Learning

Faculty

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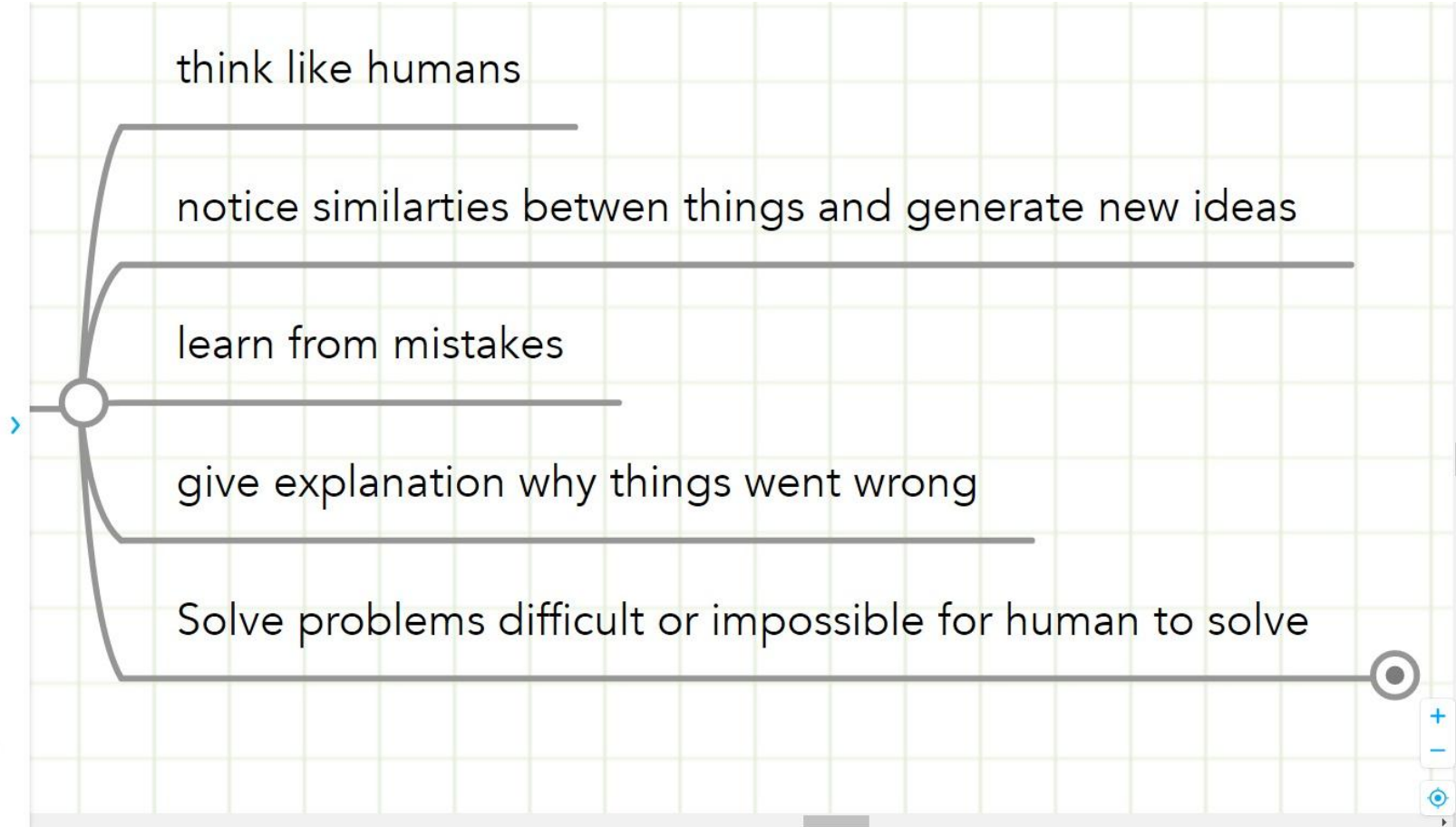
School of Computing | SRMIST



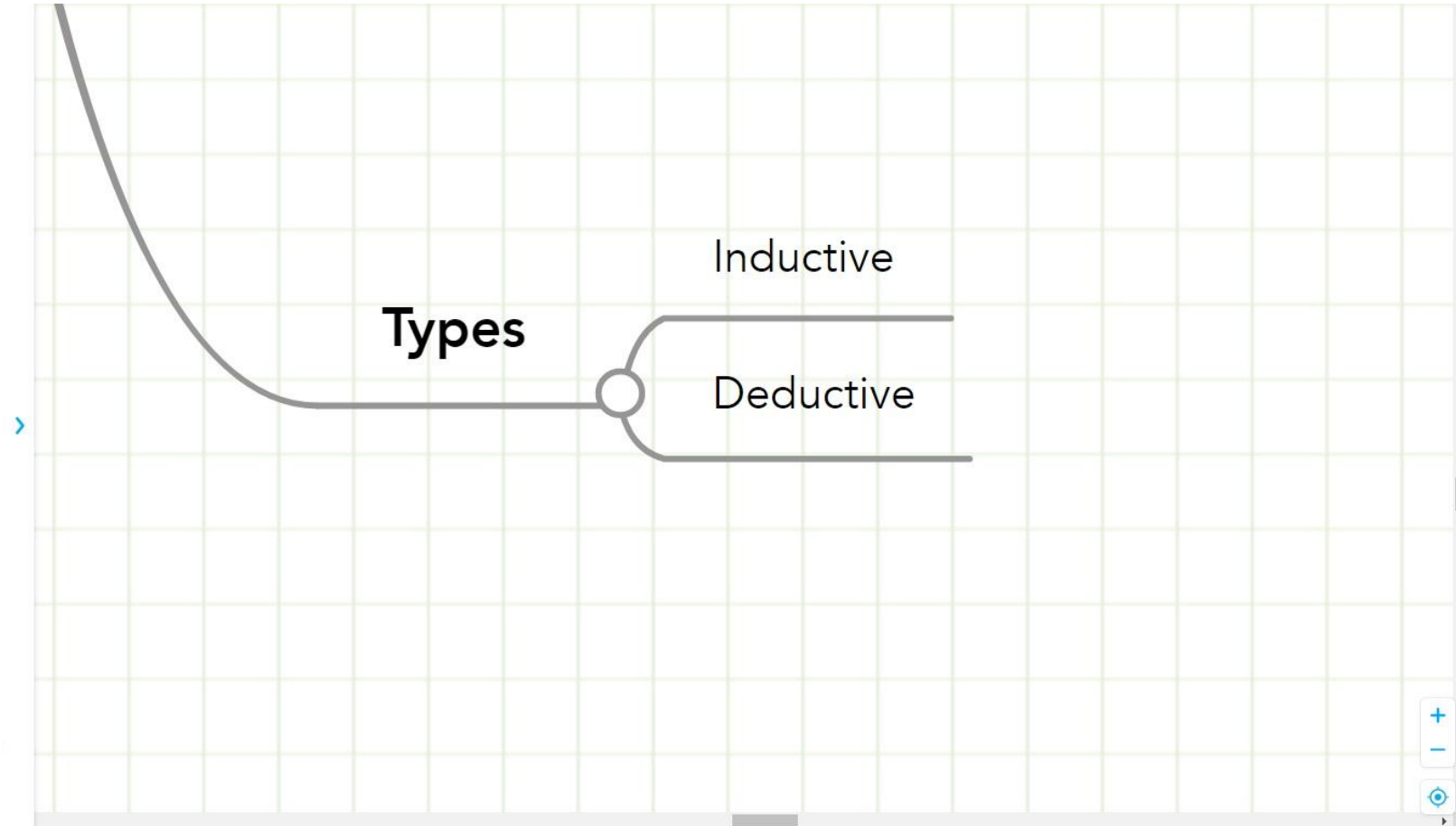
# Machine Learning



# Why ML?



# Types of ML

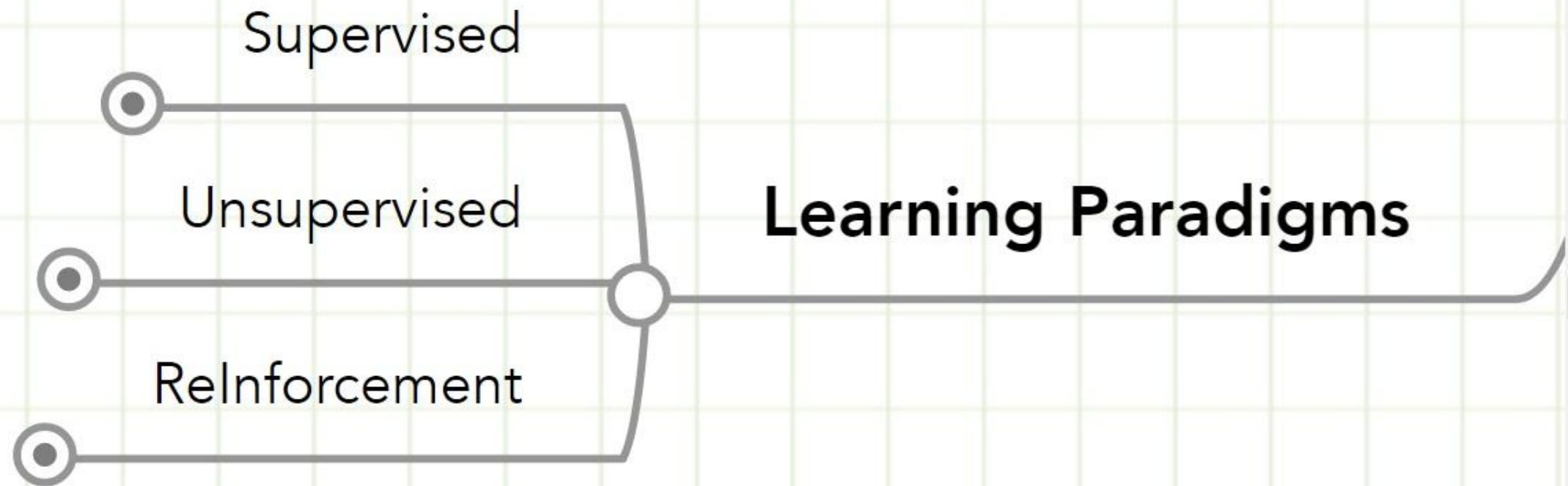


Why M.L ?

Learning Paradigms

Types





Supervised

Unsupervised

Reinforcement

**Learning Paradigms**

Regression



Classification



Supervised



Unsupervised



Reinforcement

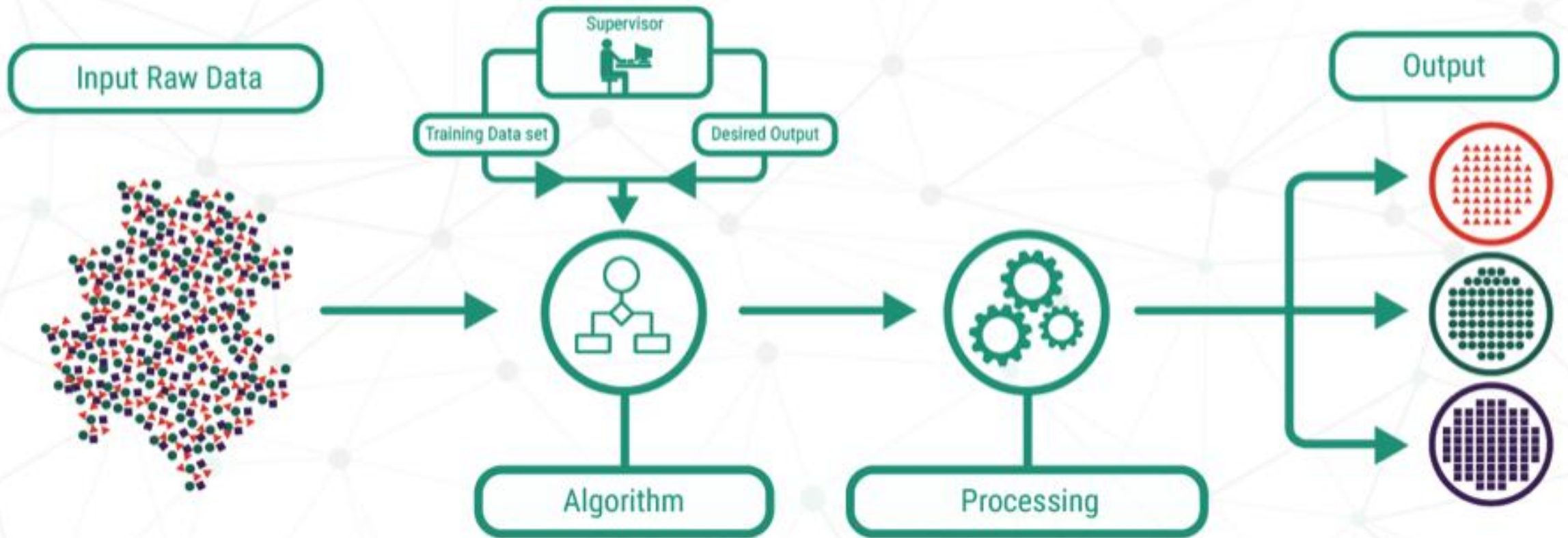


**Learning**

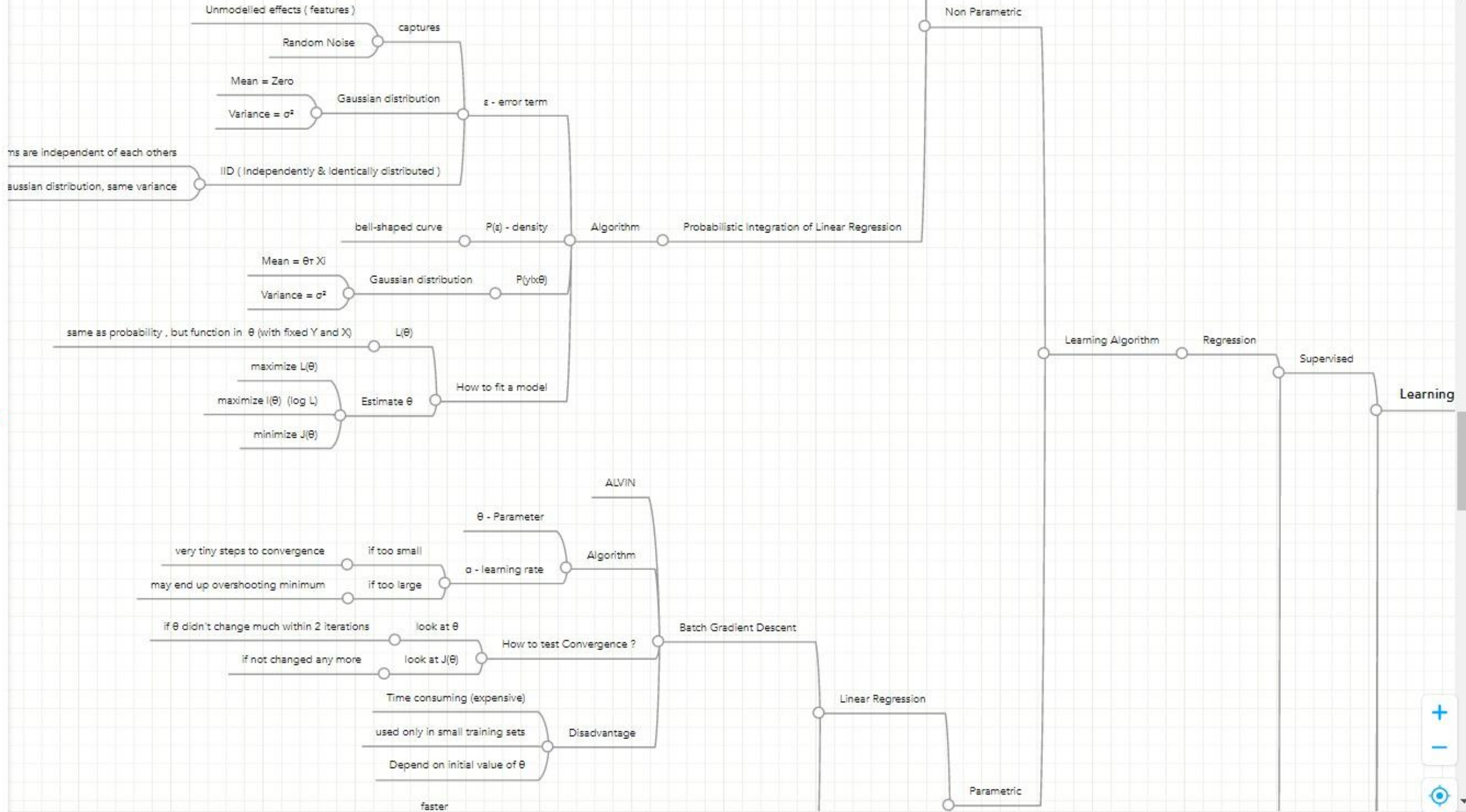




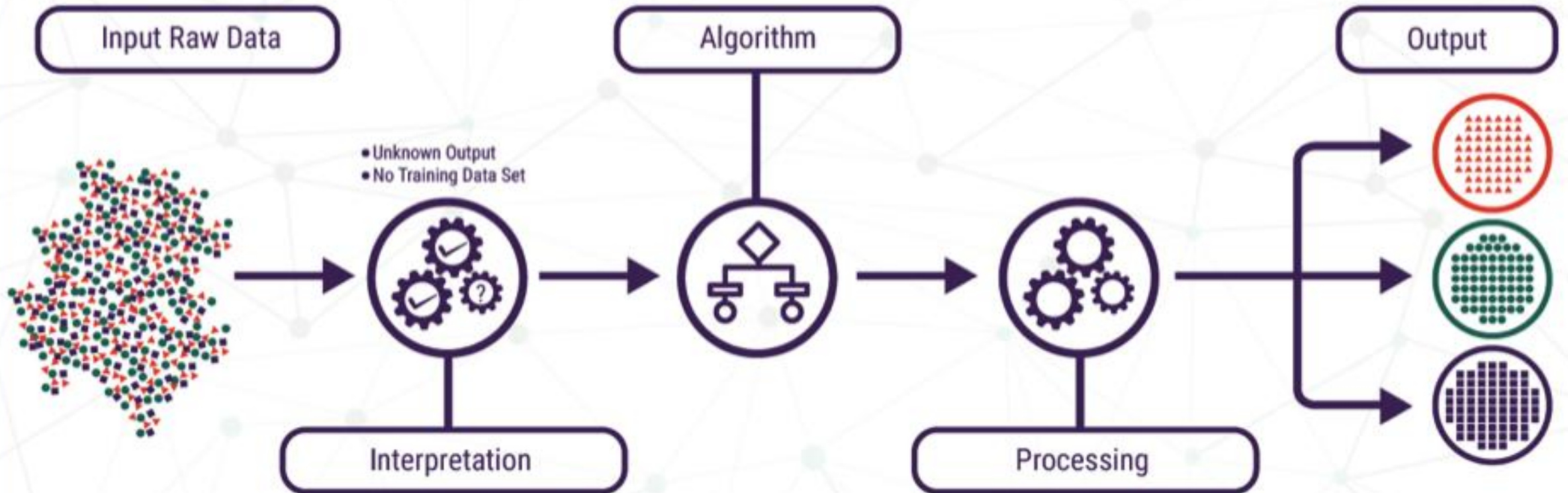
# SUPERVISED LEARNING



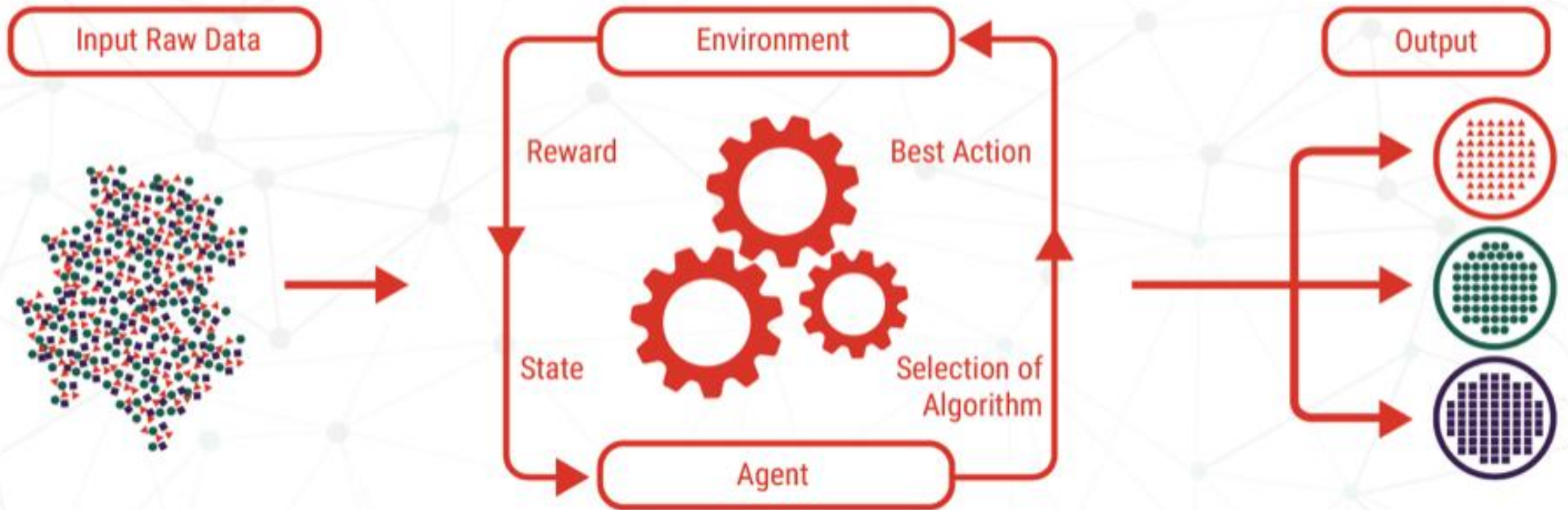




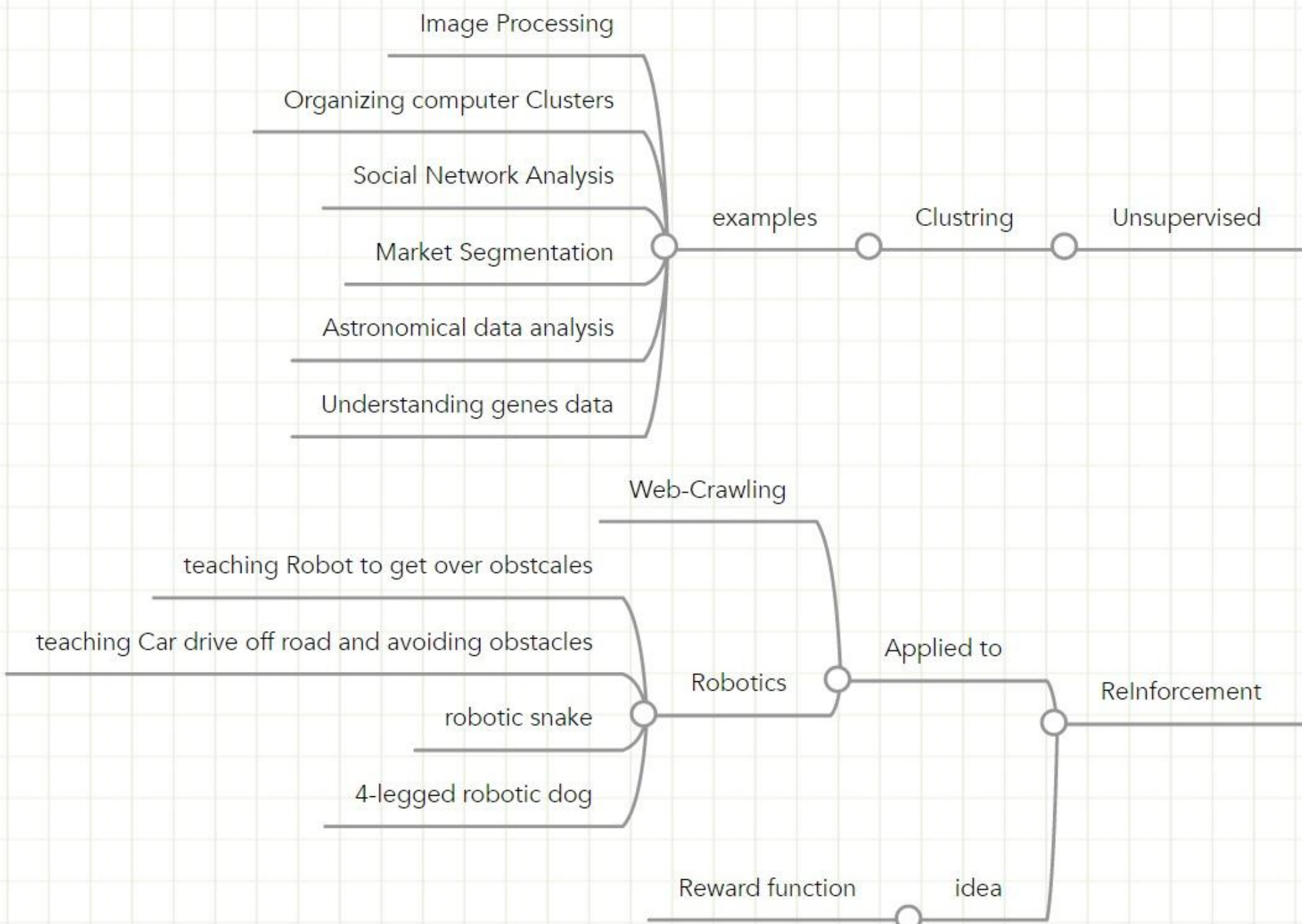
# UNSUPERVISED LEARNING



# REINFORCEMENT LEARNING







# Machine Learning

## Applications

Natural Language Processing

Syntactic Pattern Recognition

Search Engines

Medical Diagnosis

Detection Credit Card fraud

Stock Market Analysis

Classifying DNA Sequence

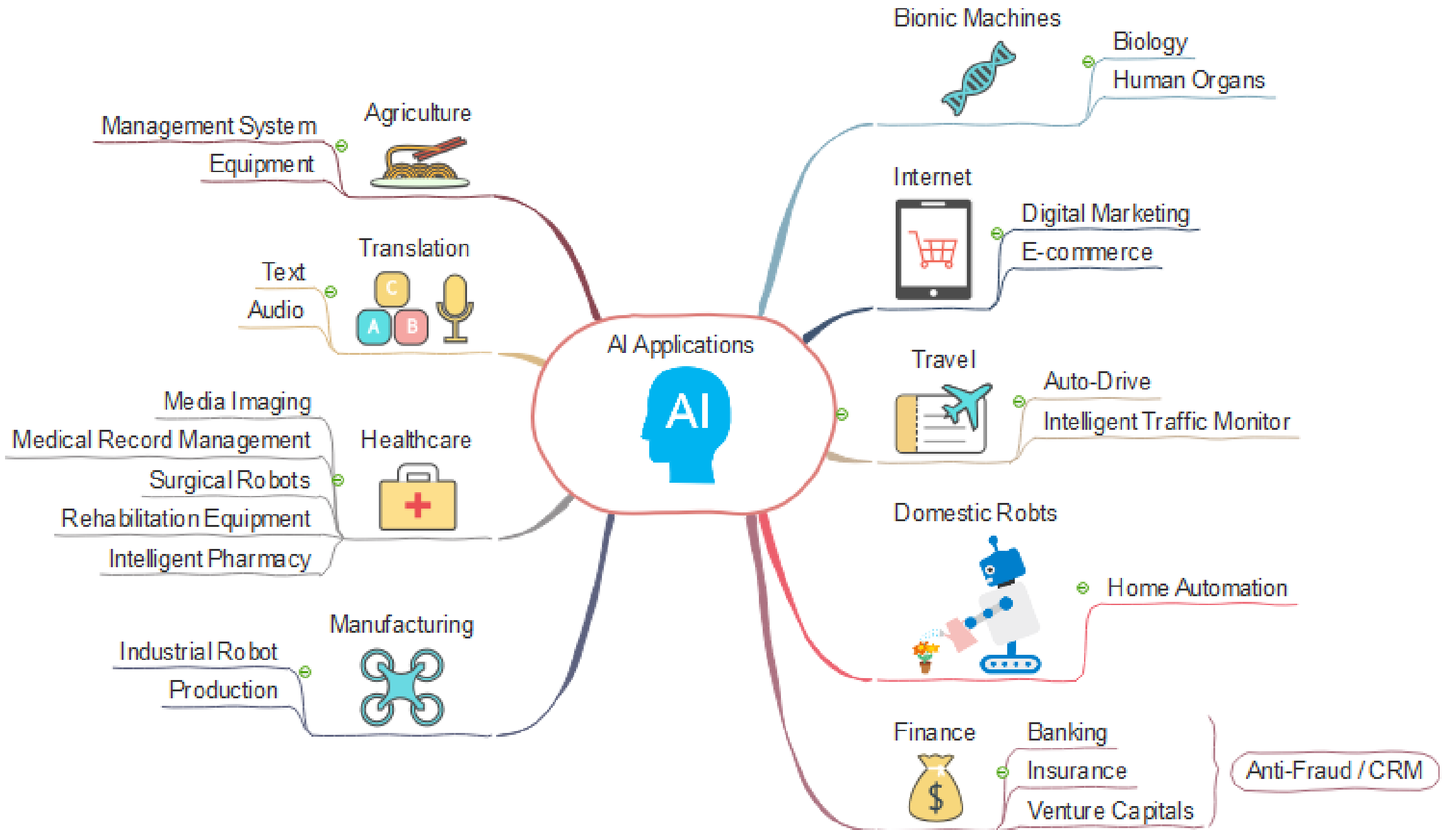
Speech & handwriting sequences

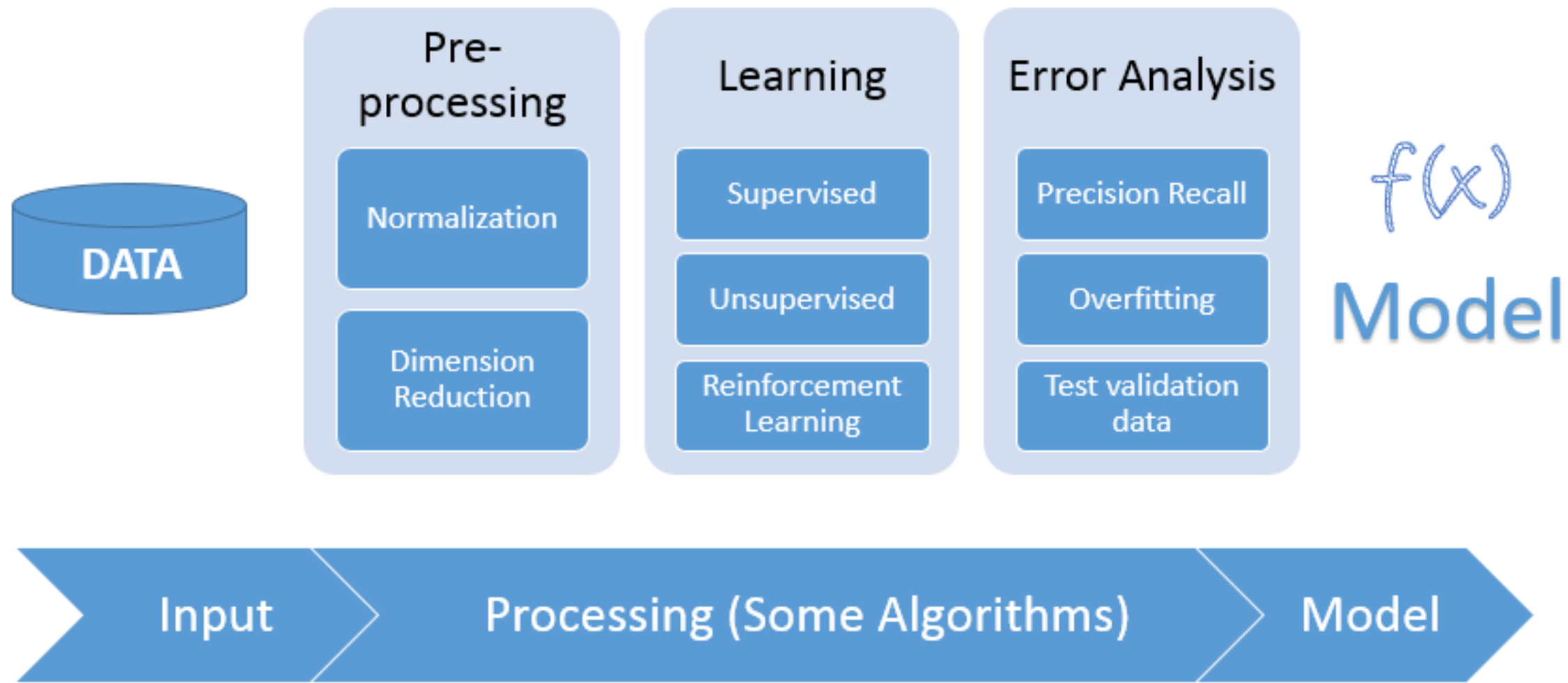
Object Recognition in Computer Vision

Game Playing

Robot Locomotion









# ML Vs Dataset

