



Bioinformatics Feature Engineering

Outline

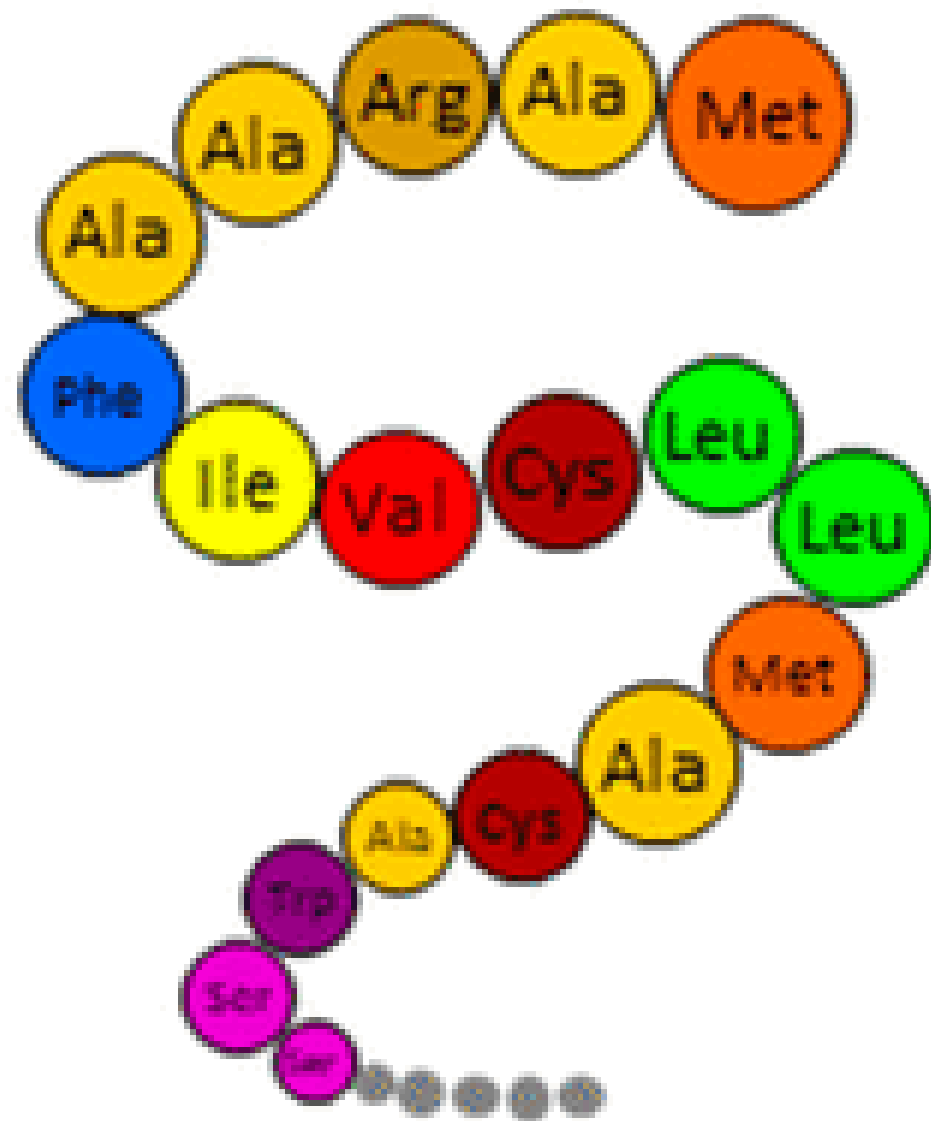
- AI-based Bioinformatics Workflow
- Bioinformatics Feature Extraction
- Demonstration
- More Feature Sets

AI-based Bioinformatics Workflow

Introduction of AI-based Bioinformatics workflow

Supervised Learning

- An unknown sequence is "A" or not



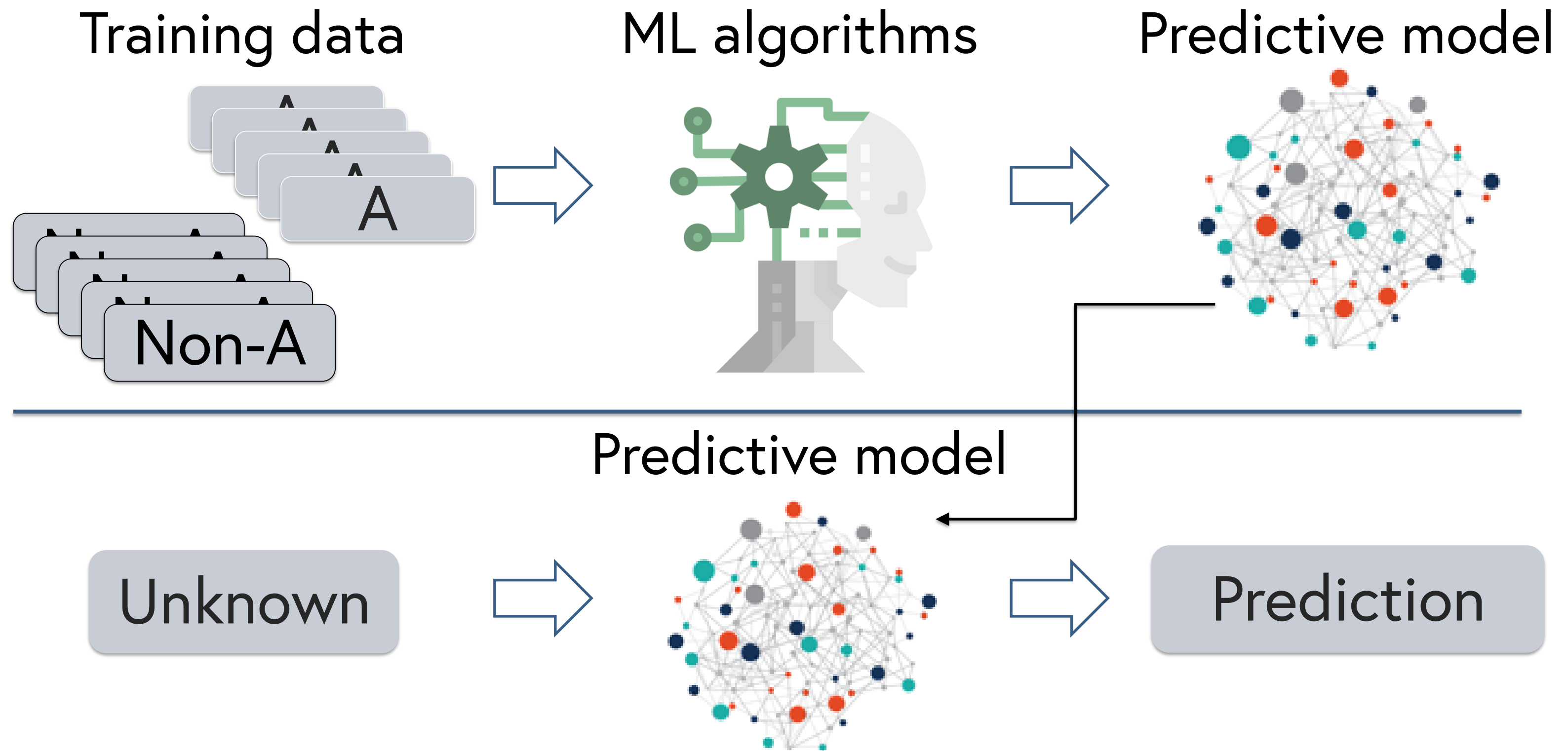
Binary
Classification



A

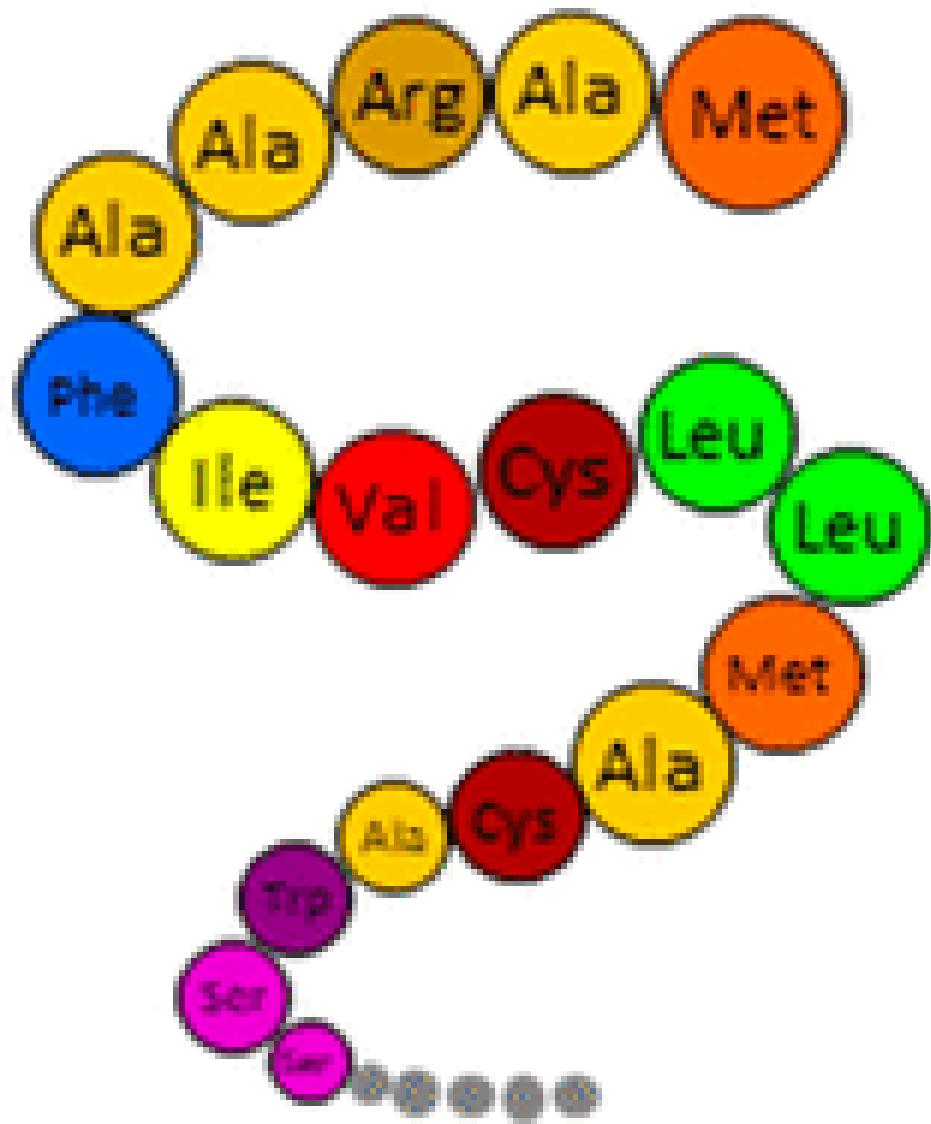
Non A

Binary Classification



Supervised Learning

- Protein A belongs to which class?



Multiple
Classification



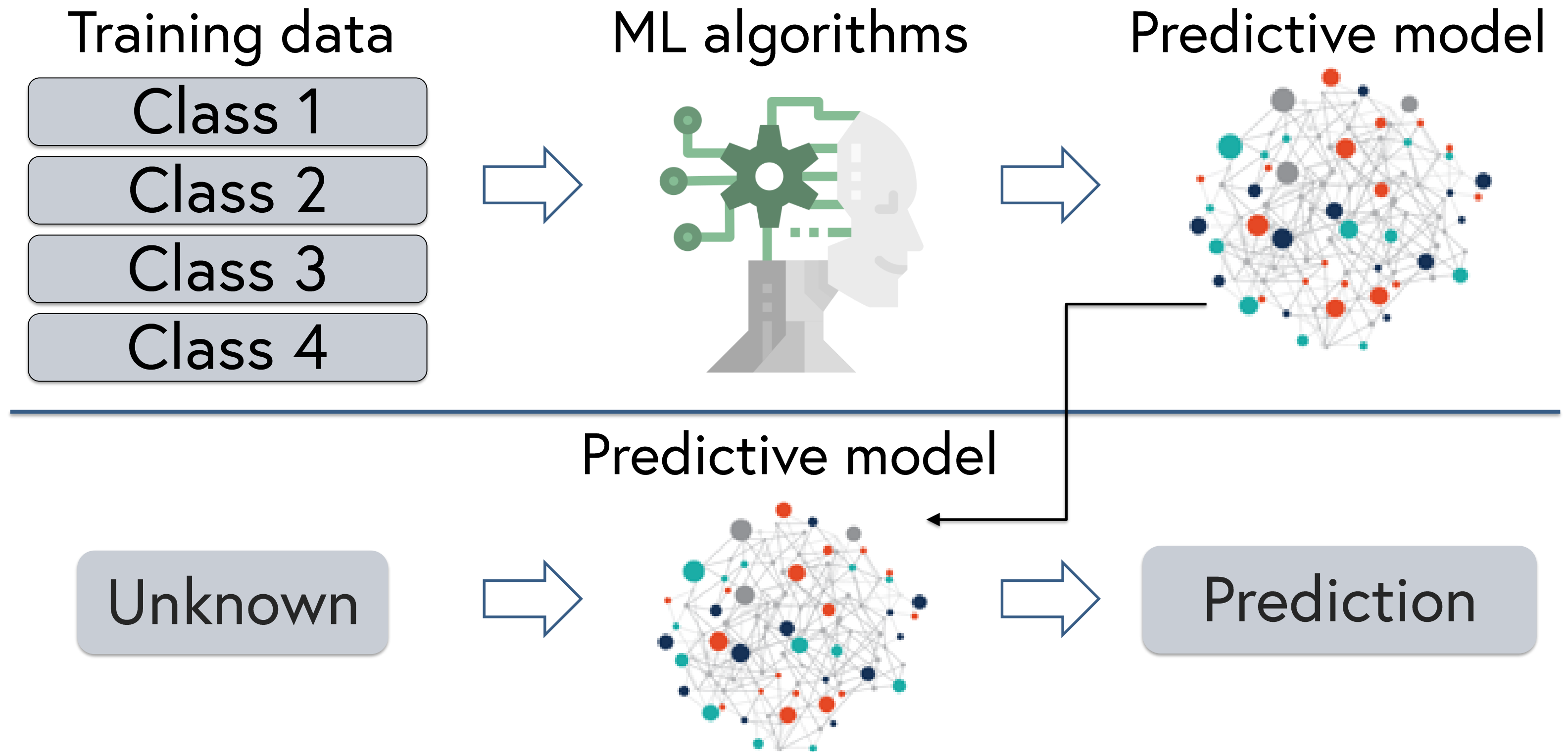
Class 1

Class 2

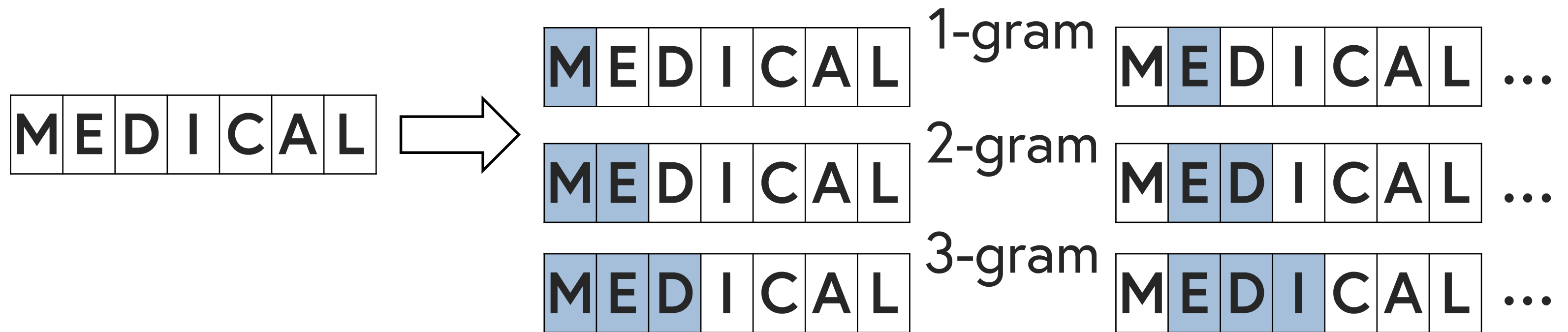
Class 3

Class 4

Multiple Classification



Natural Language Processing



DNA sequence

