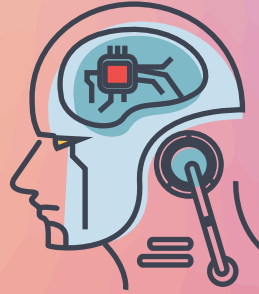


# Elements of AI — The AI Challenge

## Course overview

### What is AI?

- i How we should define AI?
- ii Related fields
- iii Philosophy of AI

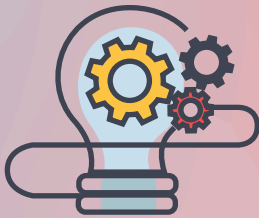
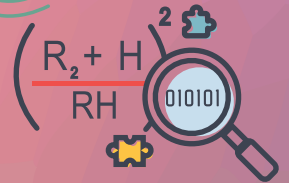


### AI problem solving

- i Search and problem solving
- ii Solving problems with AI
- iii Search and Games

### Real world AI

- i Odds and probability
- ii The Bayes rule
- iii Naive Bayes classification

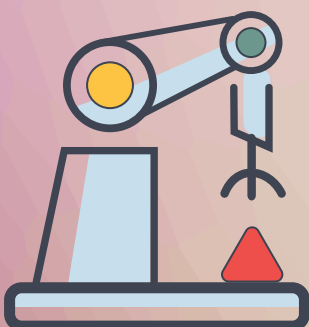
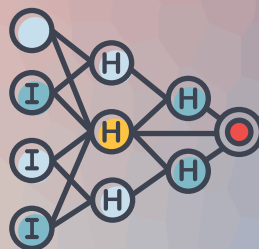


### Machine Learning

- i The types of machine learning
- ii The nearest neighbor classifier
- iii Regression

### Neural networks

- i Neural network basics
- ii How neural networks are built
- iii Advanced neural network techniques



### Implications

- i About predicting the future
- ii The social implications of AI
- iii Summary

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