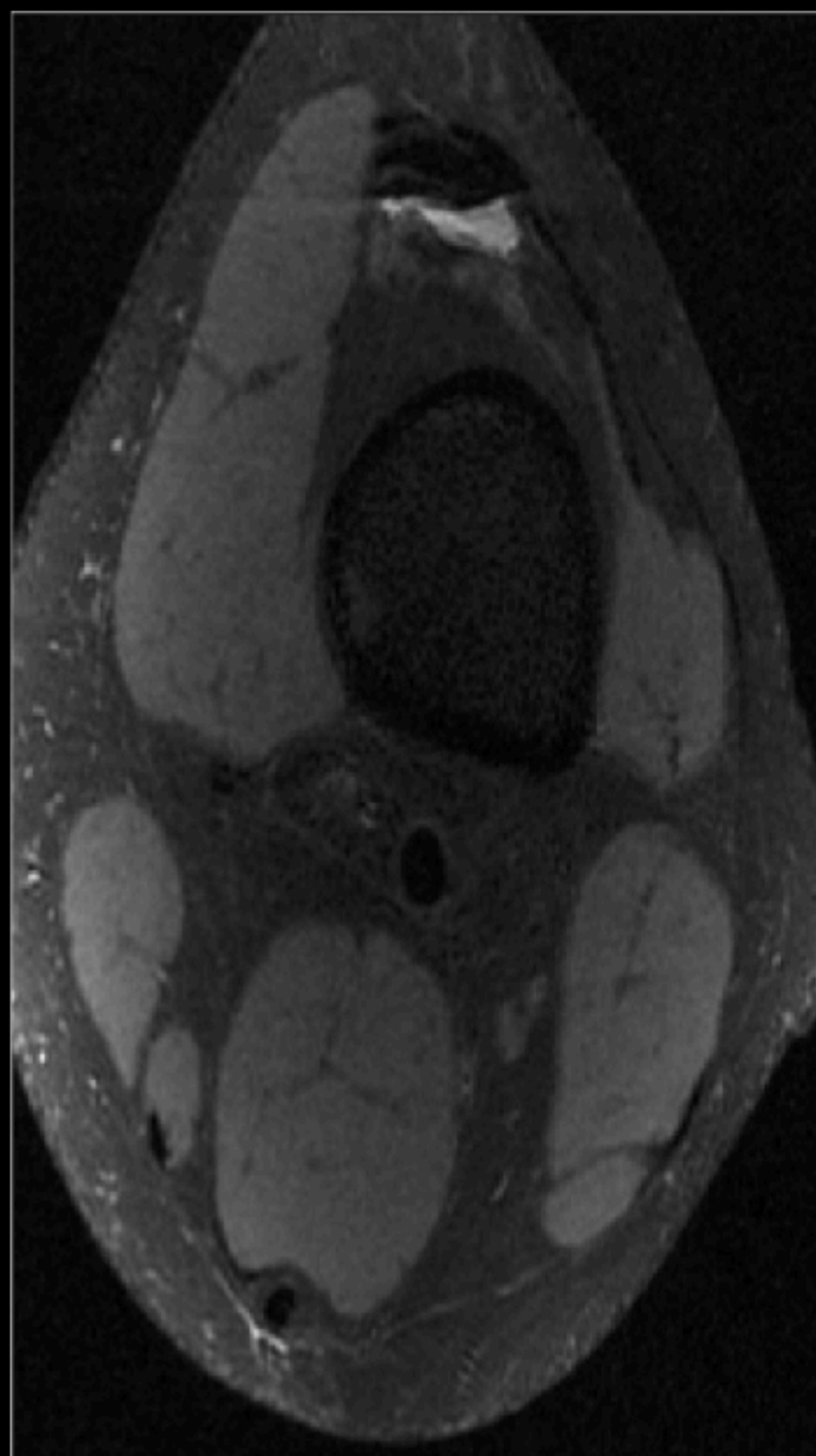


KOKCHUN GIANG

# INTRO TILL AI



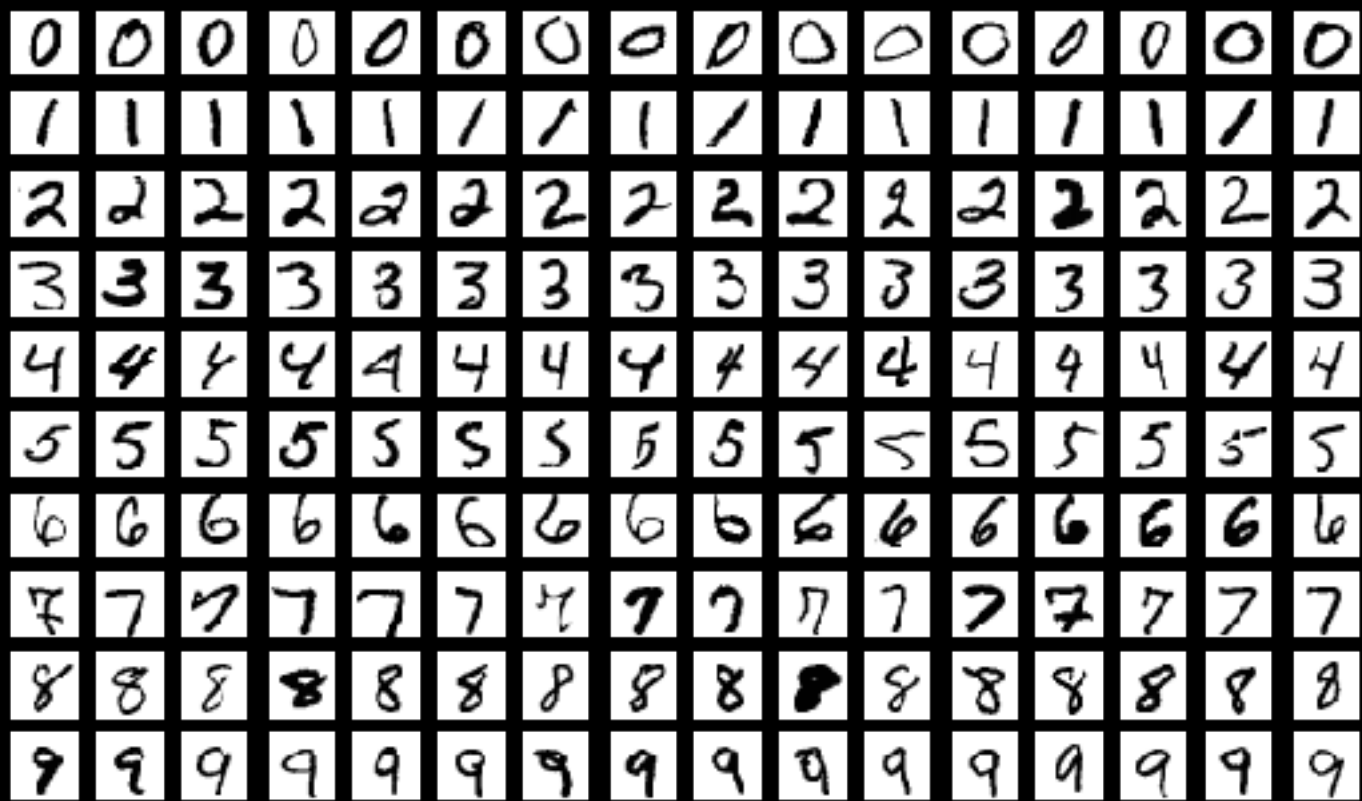
Predict house prices



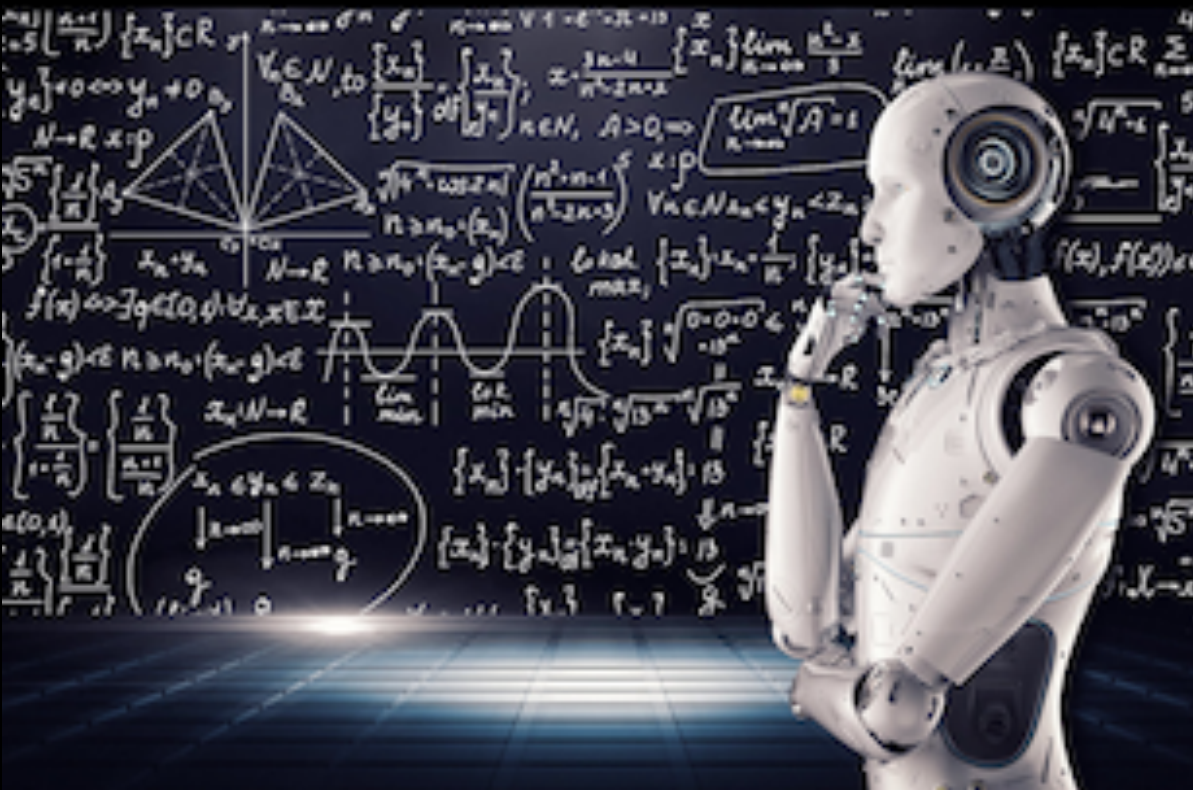
Predict disease



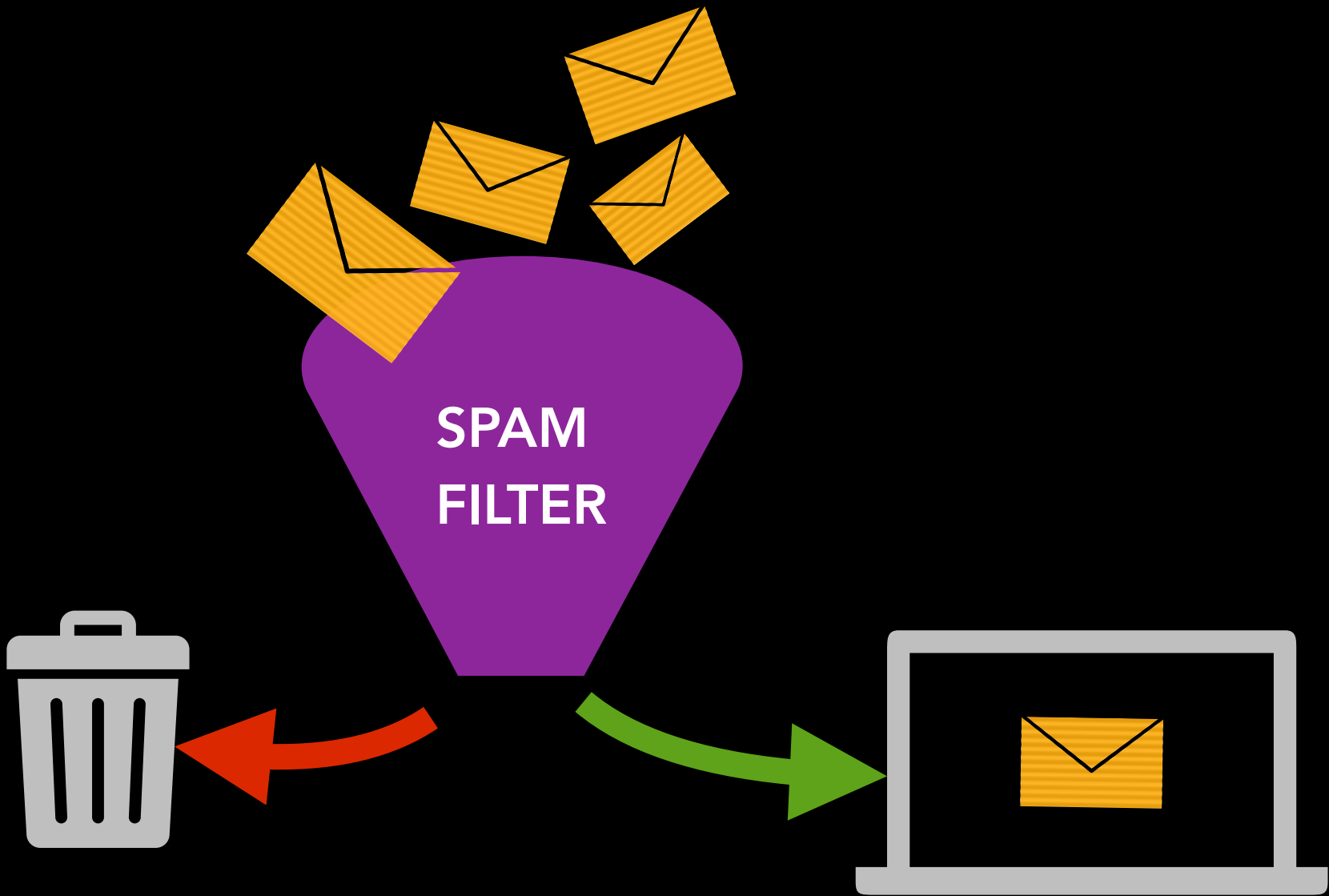
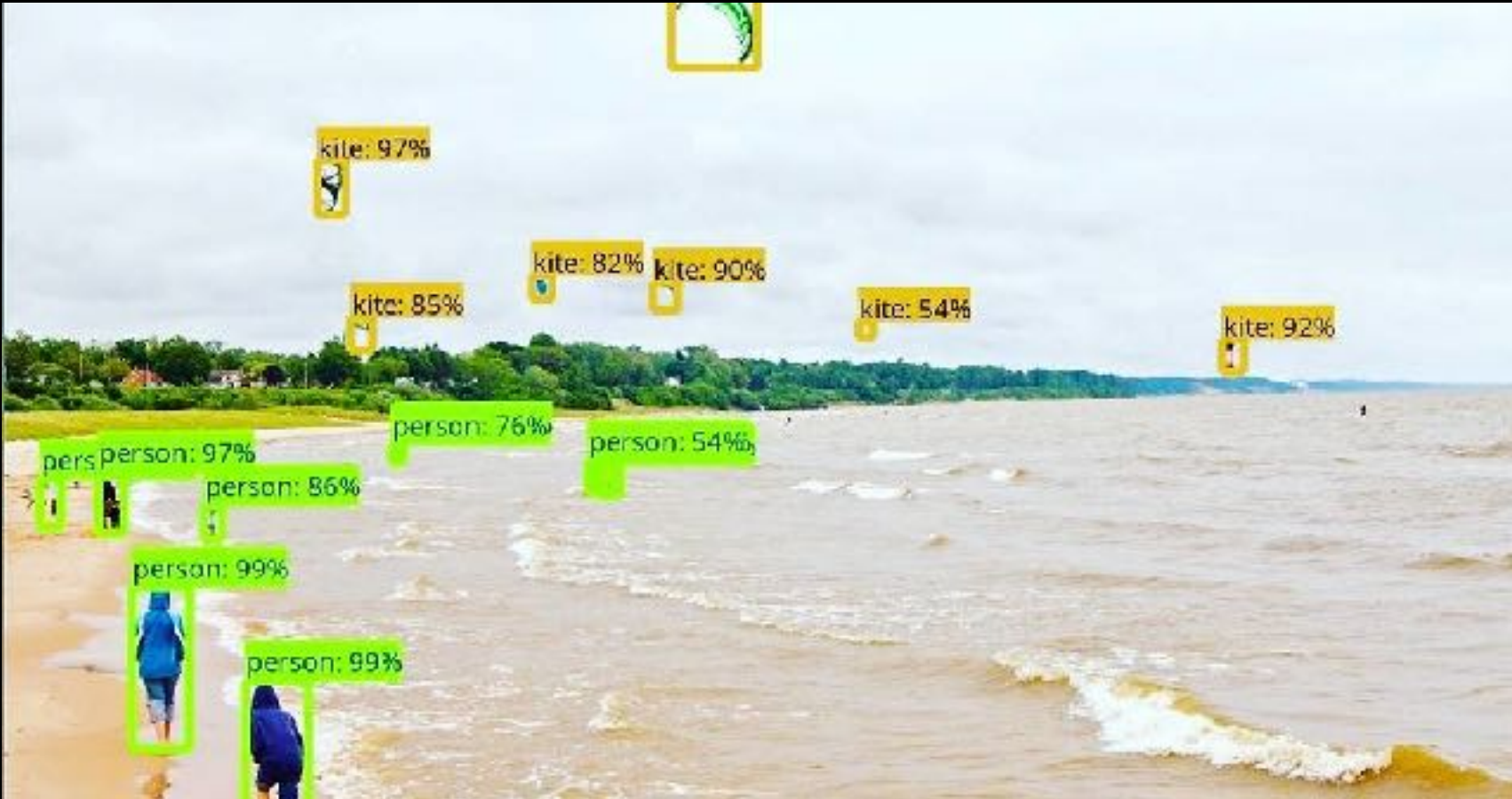
Detect handwriting



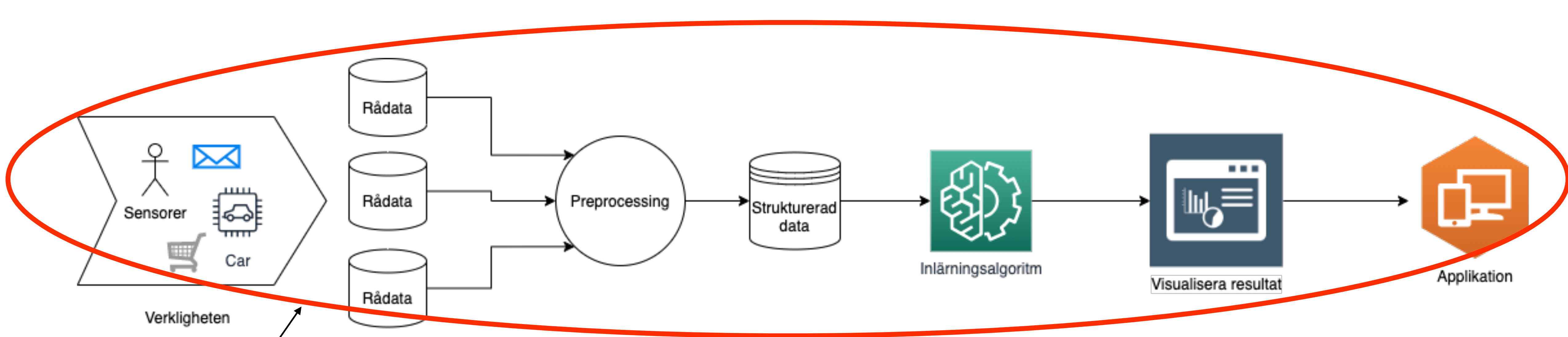
AI



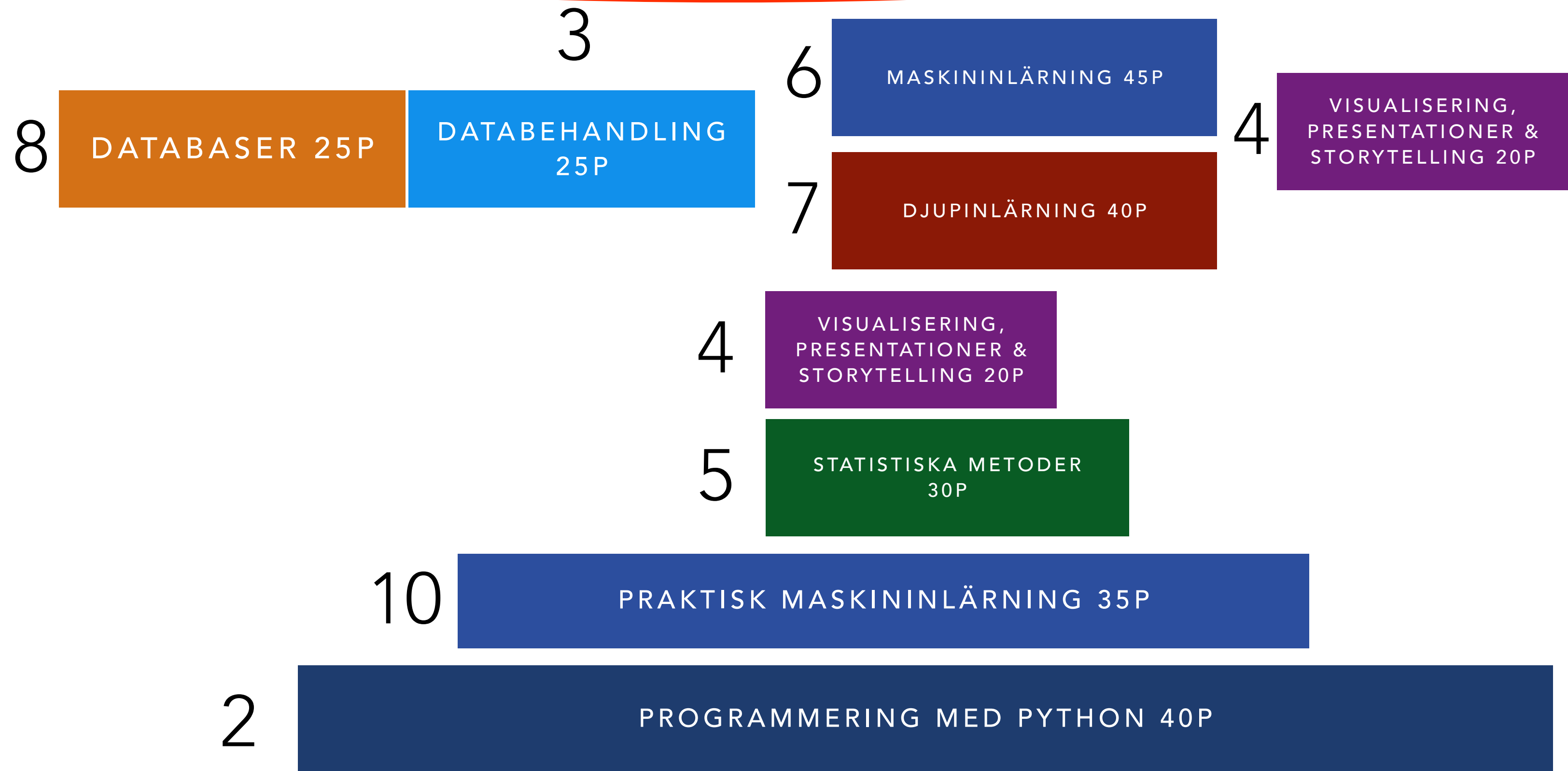
Computer vision

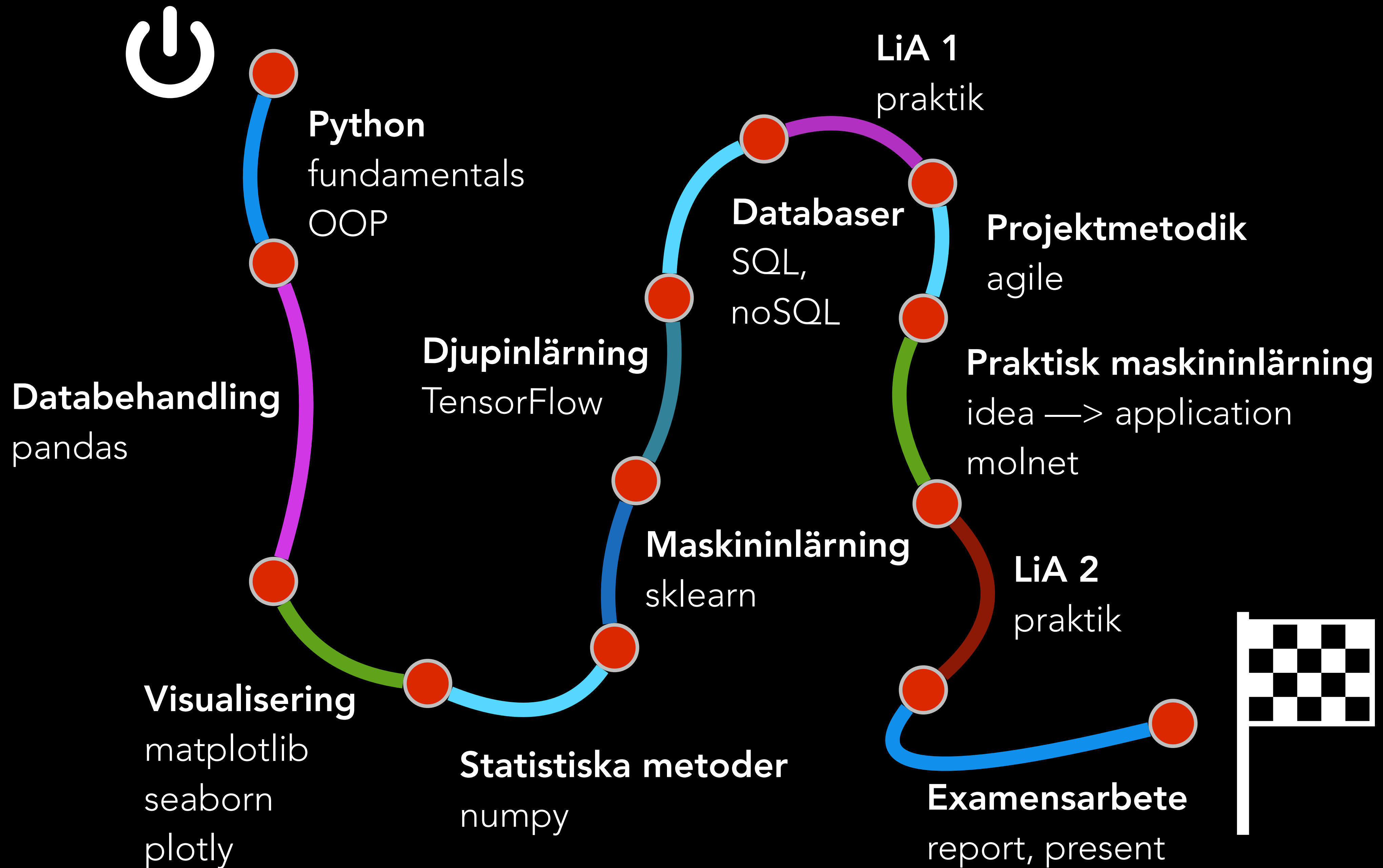




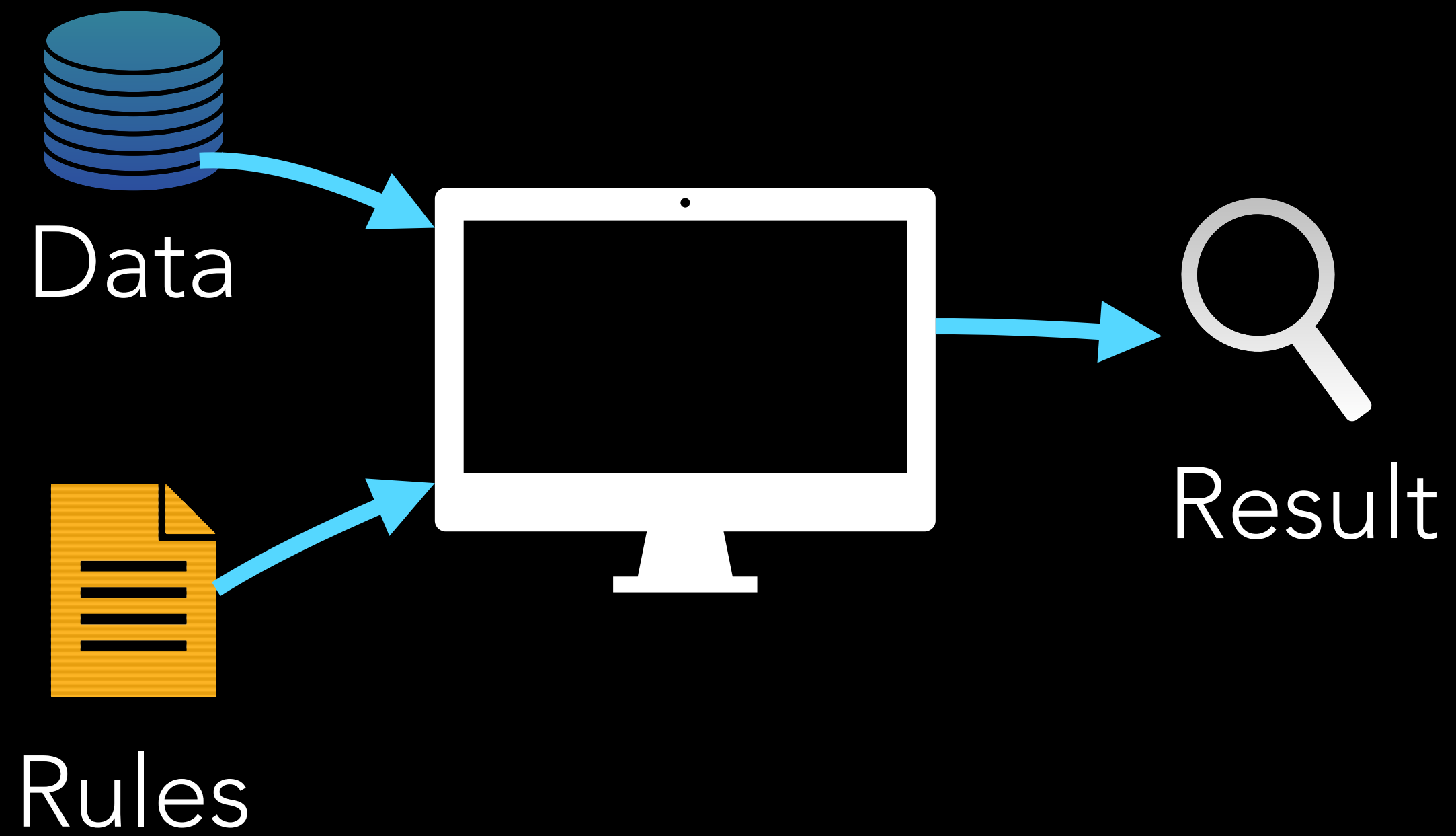


Intro till AI

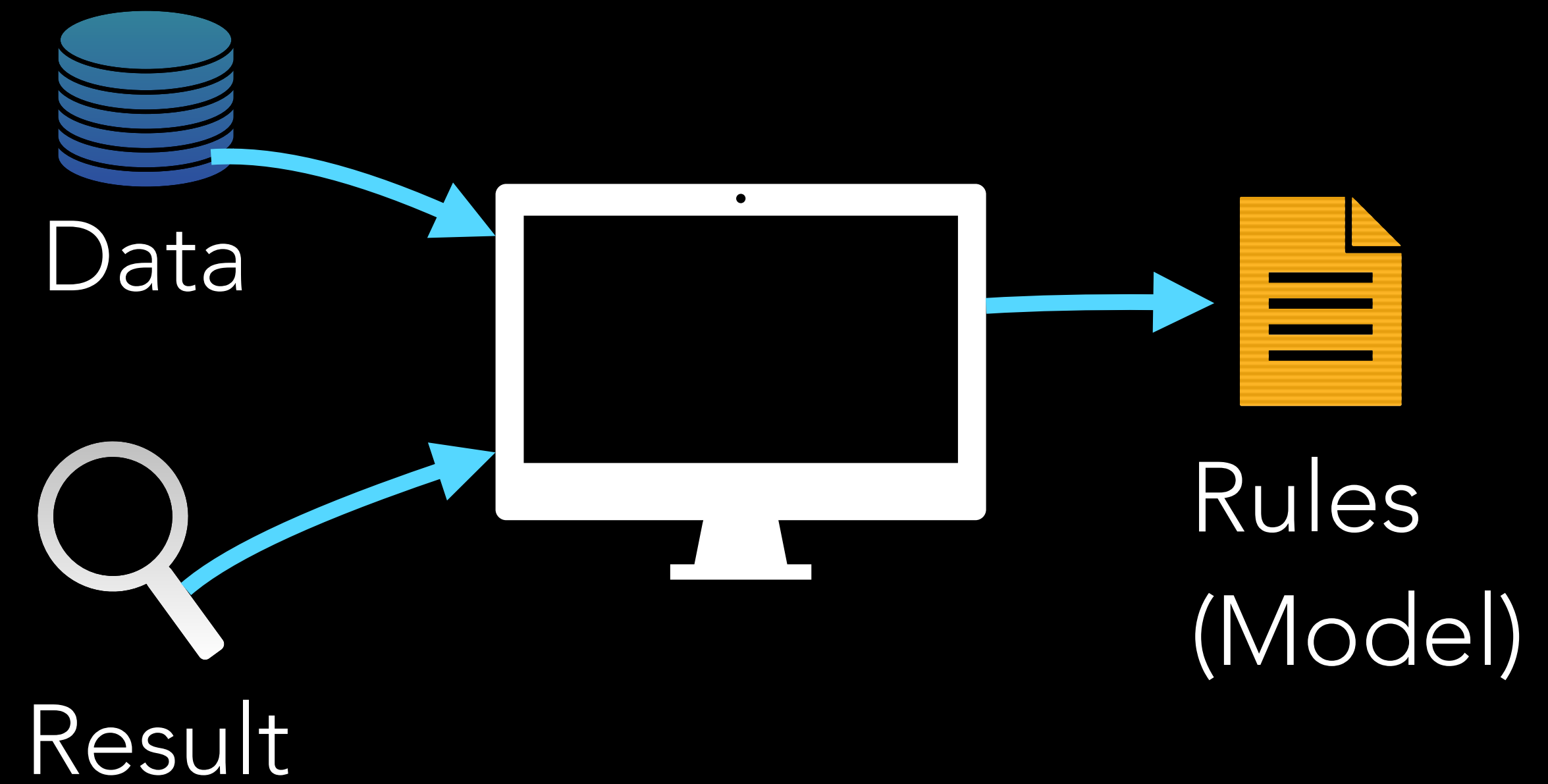




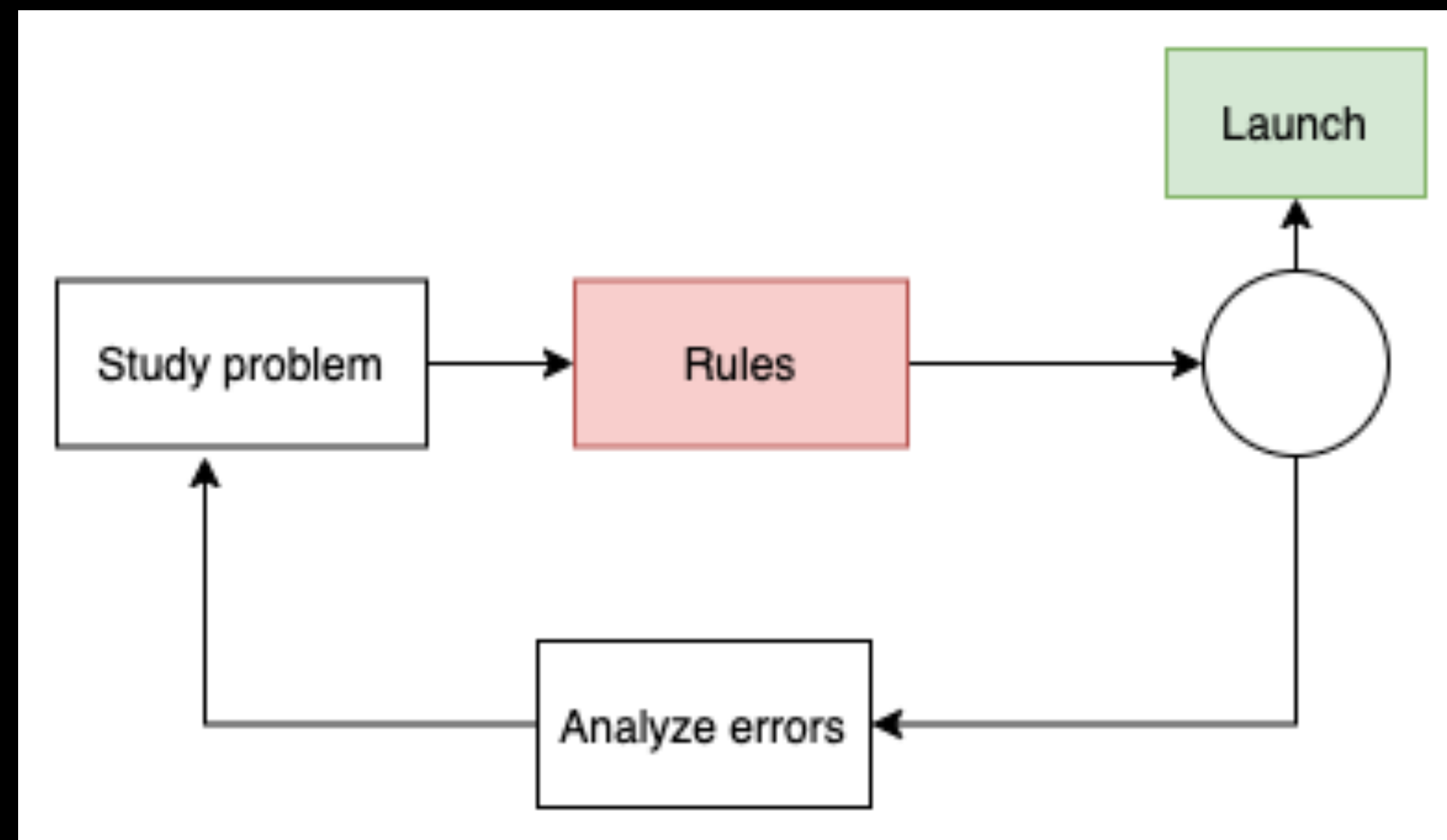
## Traditional



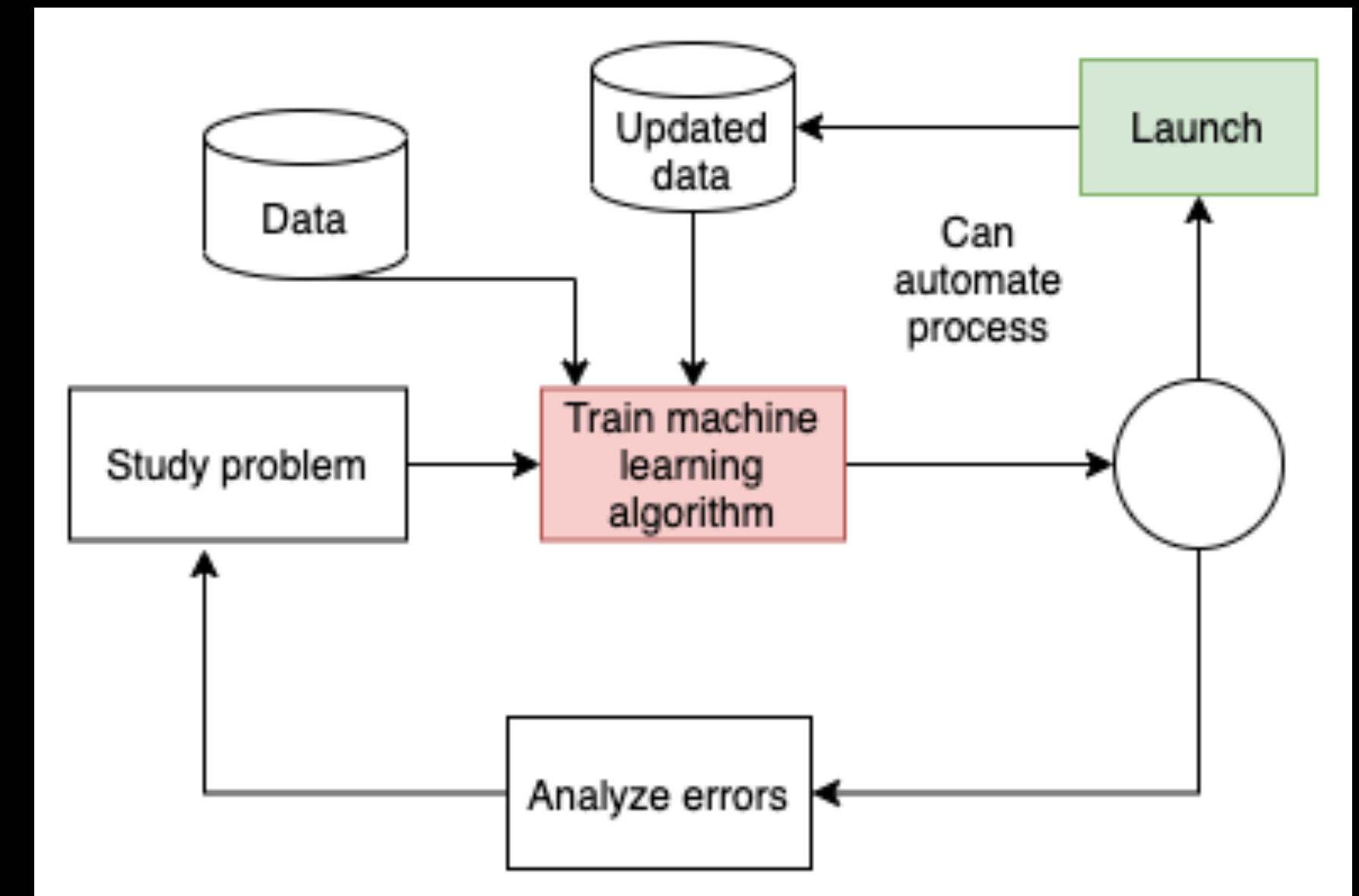
## Machine learning



# Traditional



# Machine learning



## Example

Traditional

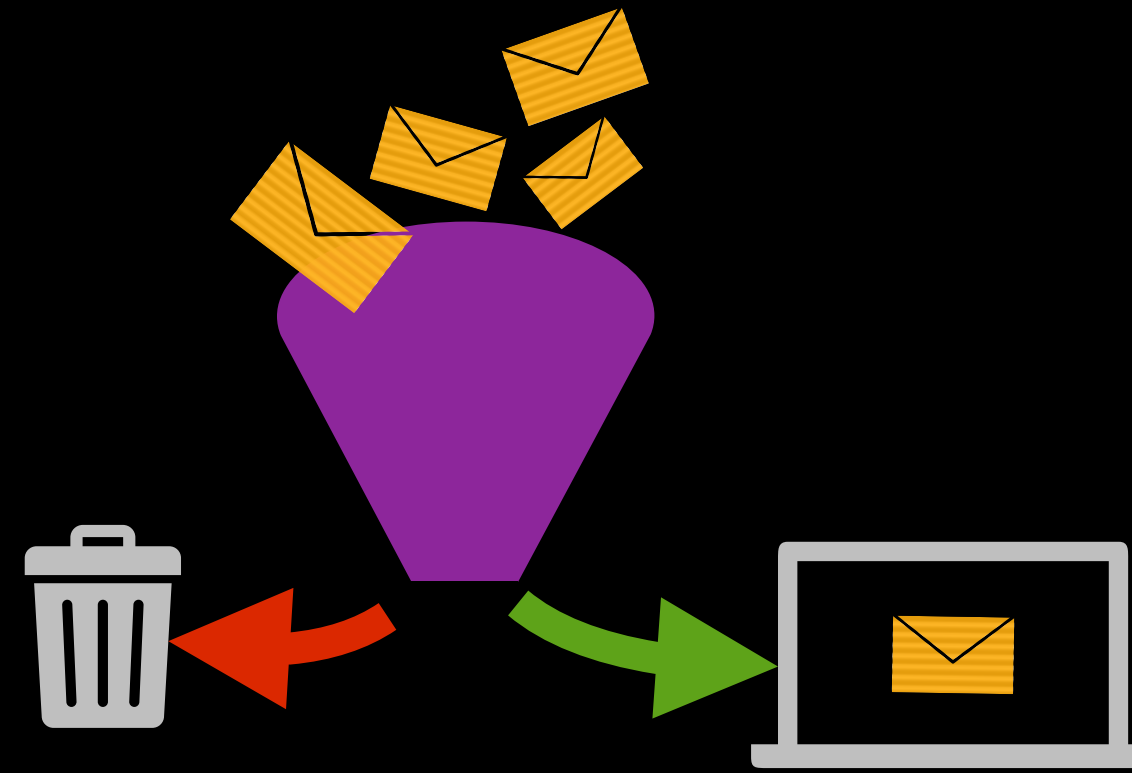
Spam if these phrases exists in the mail:

- viagra
- credit card
- Inherit bitcoin
- ...

**Long** list of rules

What happens if spammer changes spelling? e.g.

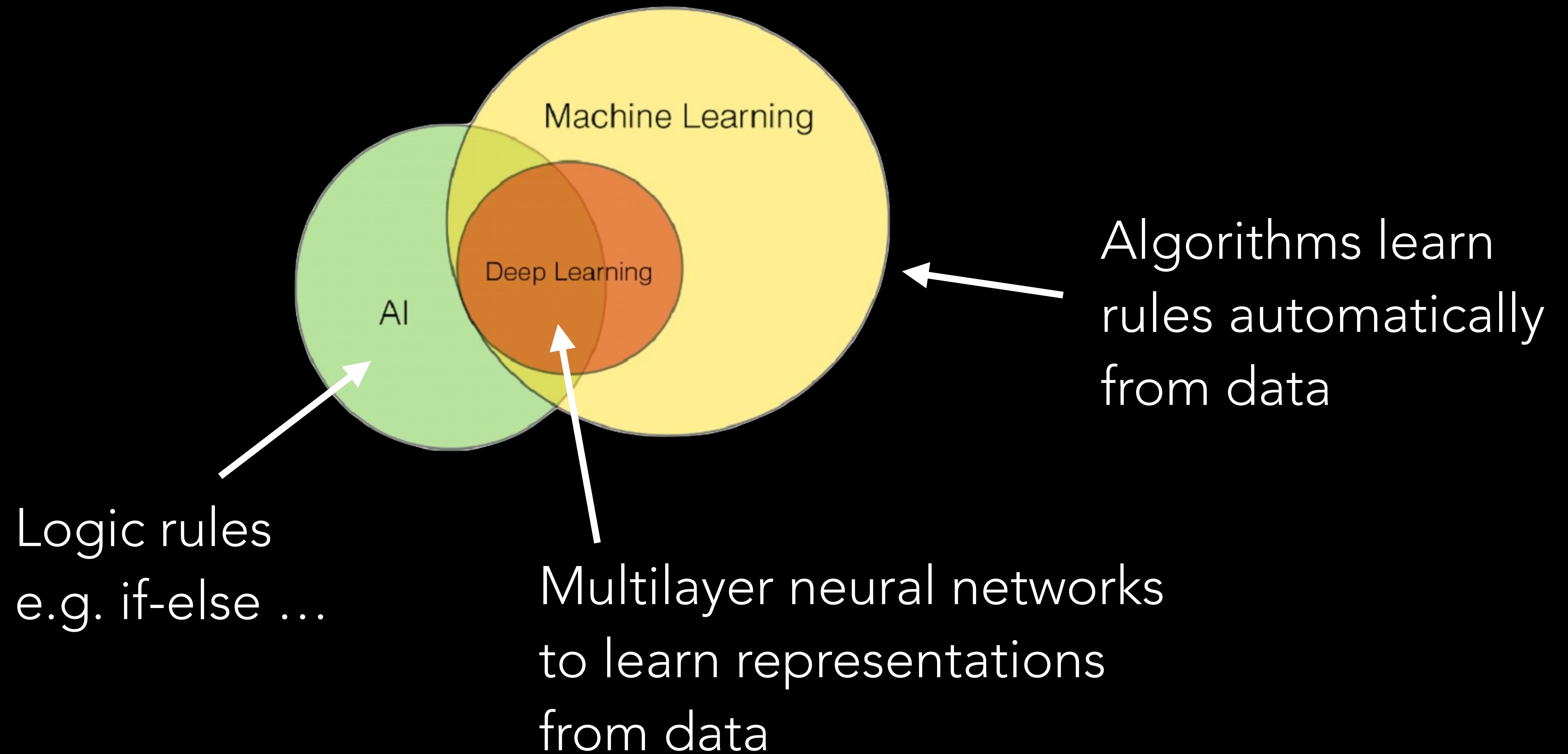
B1tcoin



Machine learning

Automatically finds the changes since they also become more frequently flagged by users

# Artificiell intelligens





# AI types

NARROW AI  
"WEAK AI"

AI

AGI  
"STRONG AI"

SOLVING A TASK

SOLVE TASKS  
HUMAN GOOD  
AT

HUMAN LIKE  
INTELLIGENCE  
IN ALL TASKS

DRIVE  
CAR

PLAY GO

NATURAL  
LANGUAGE SPEECH

WEATHER

IMAGE  
RECOGNITION

# ML and DL categories

SUPERVISED

LABEL DATA

PREDICTION

UNSUPERVISED

NO LABELS

FIND  
STRUCTURE  
IN DATA

REINFORCEMENT

DECISION  
PROCESS

REWARD

LEARN  
ACTIONS

Seminar task

Choose one AI application in the market today and create a presentation about this application.