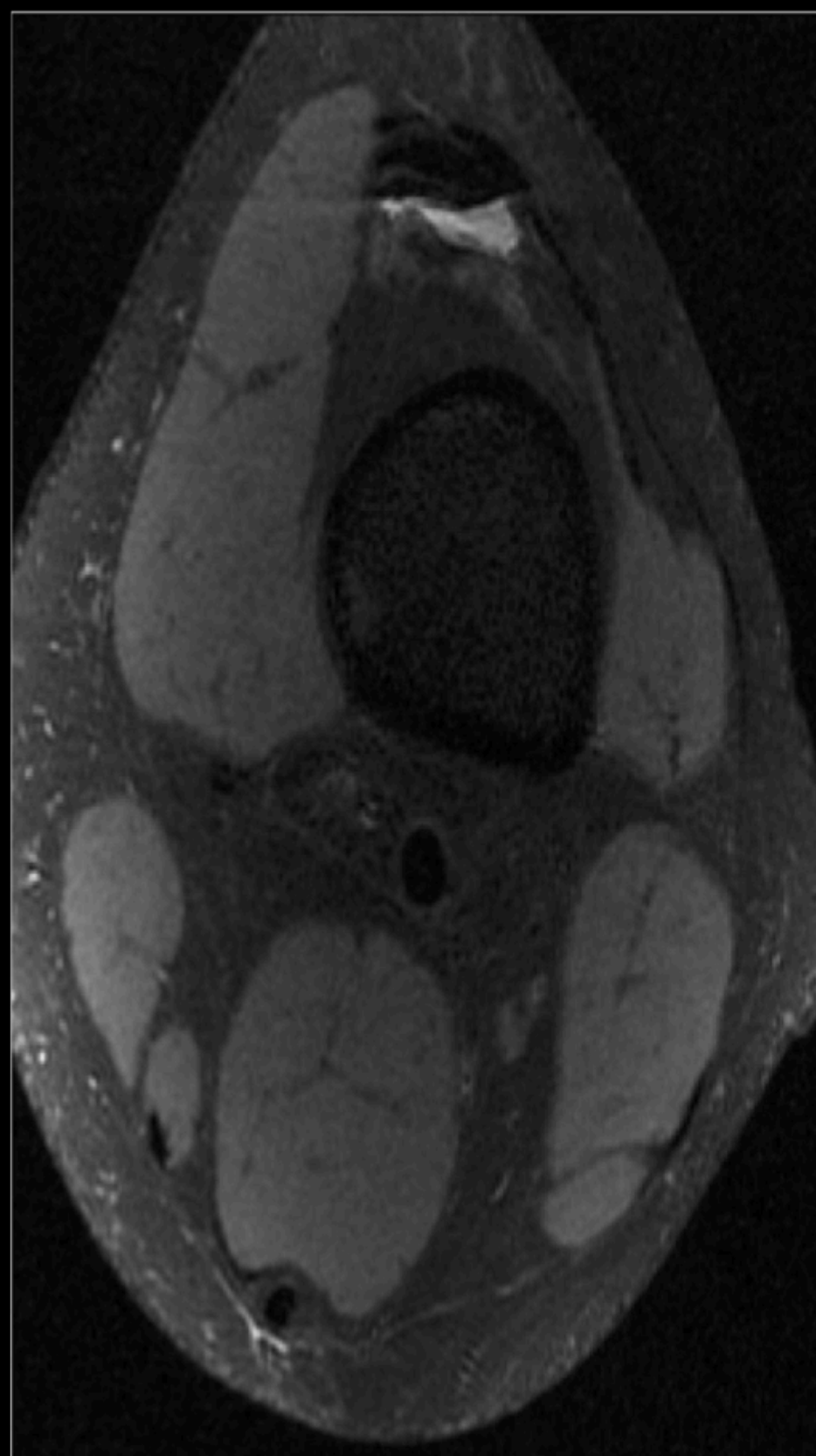
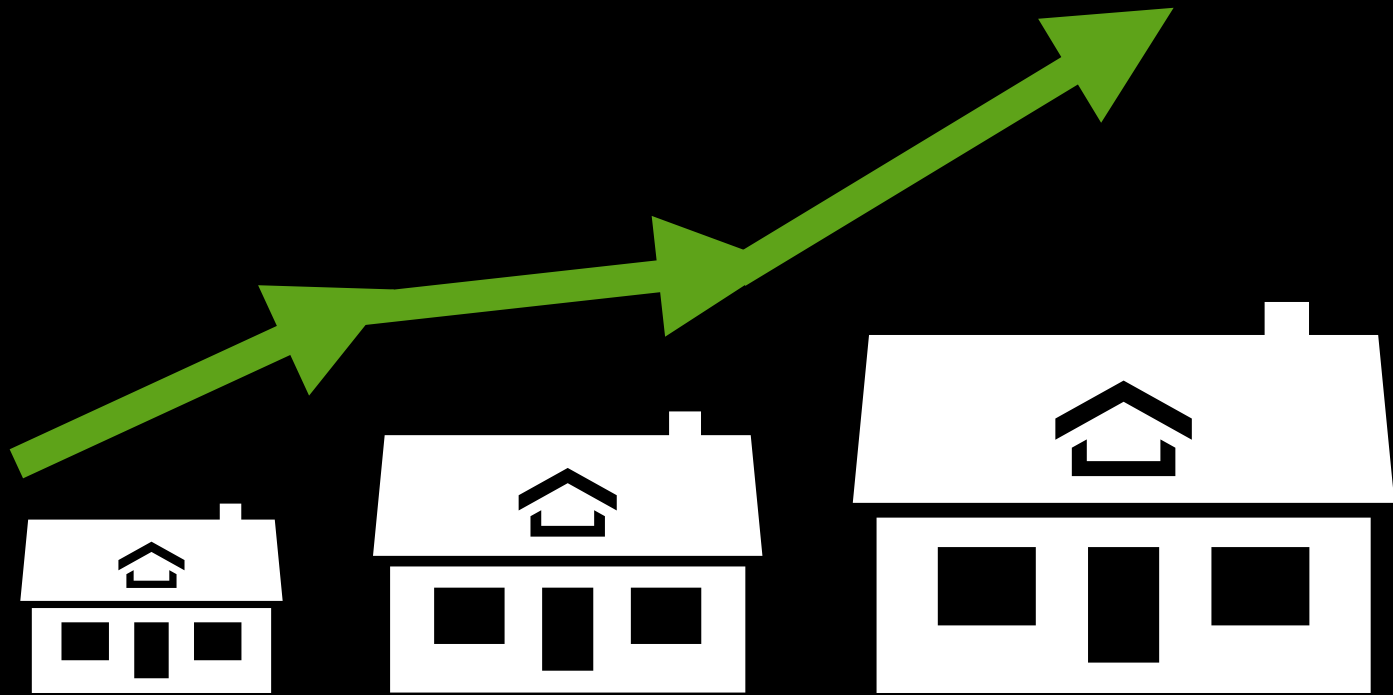


KOKCHUN GIANG

INTRO TILL AI



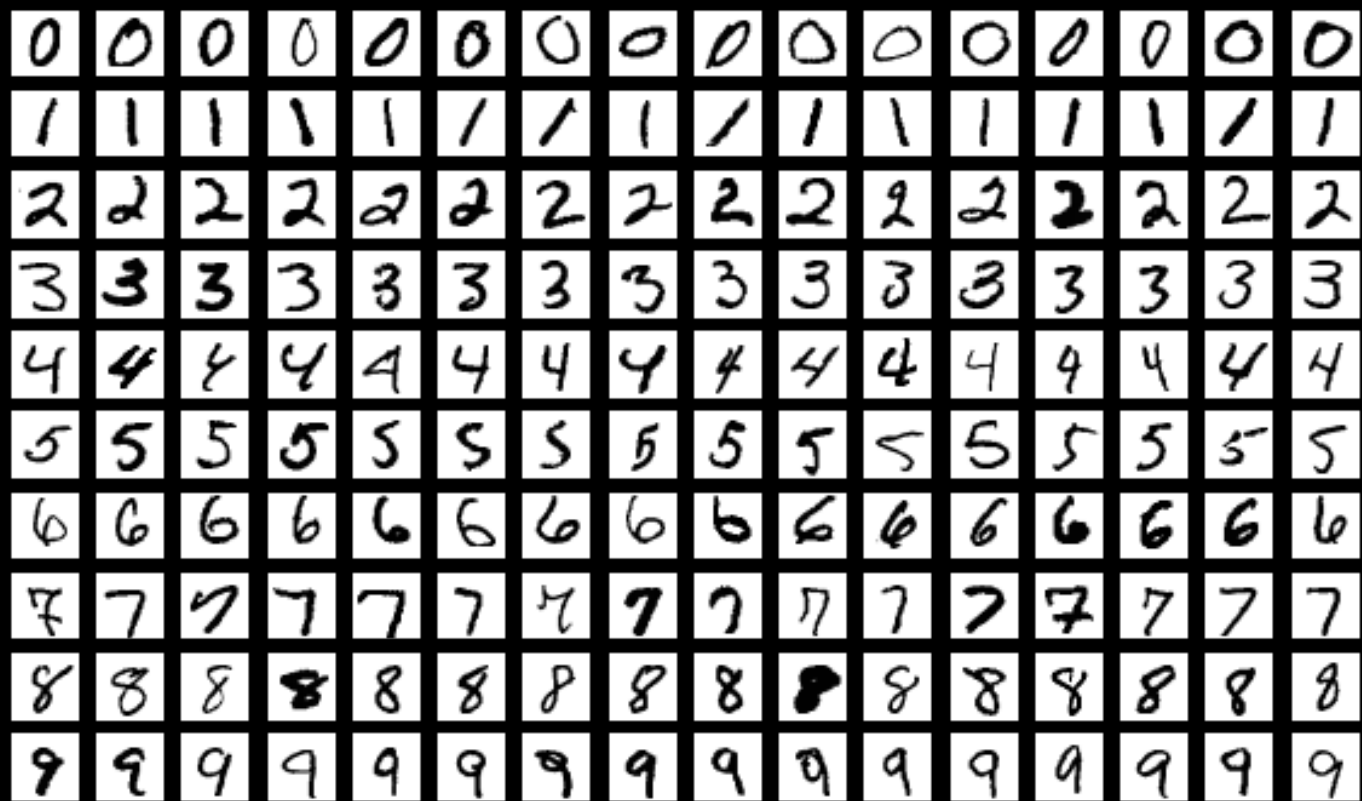
Predict house prices



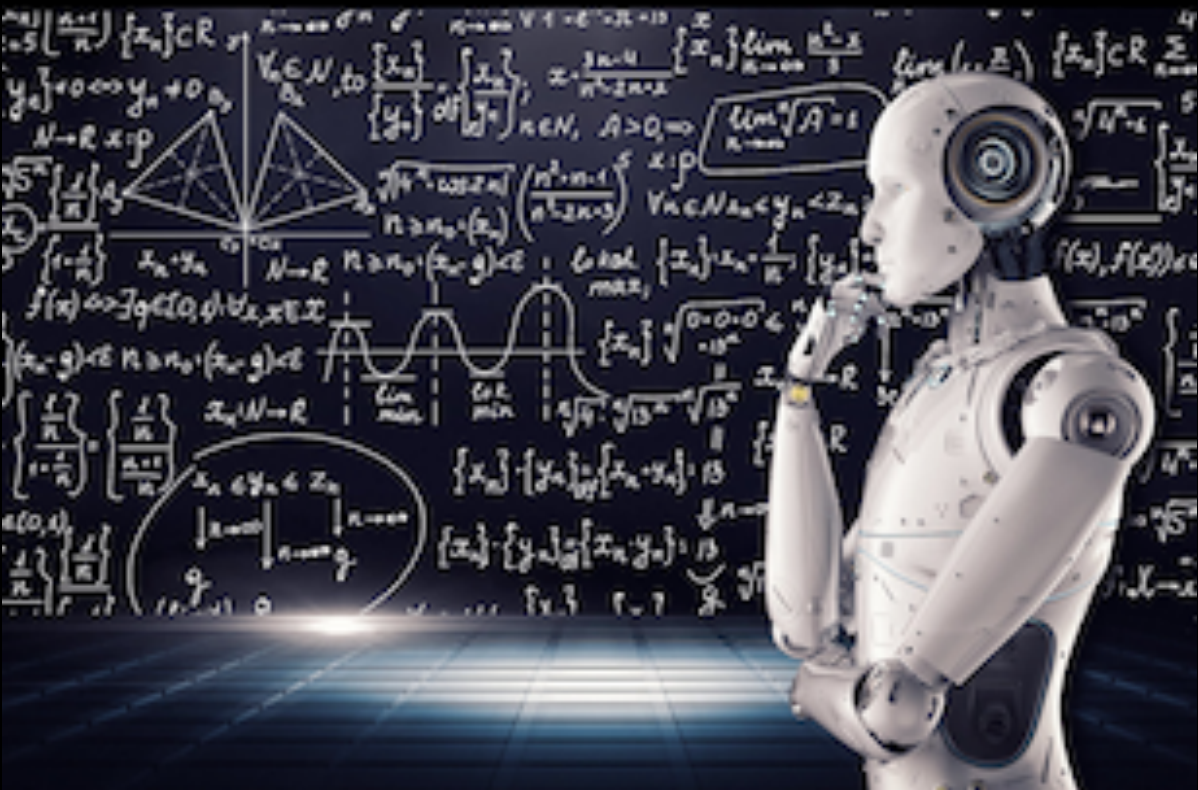
Predict disease



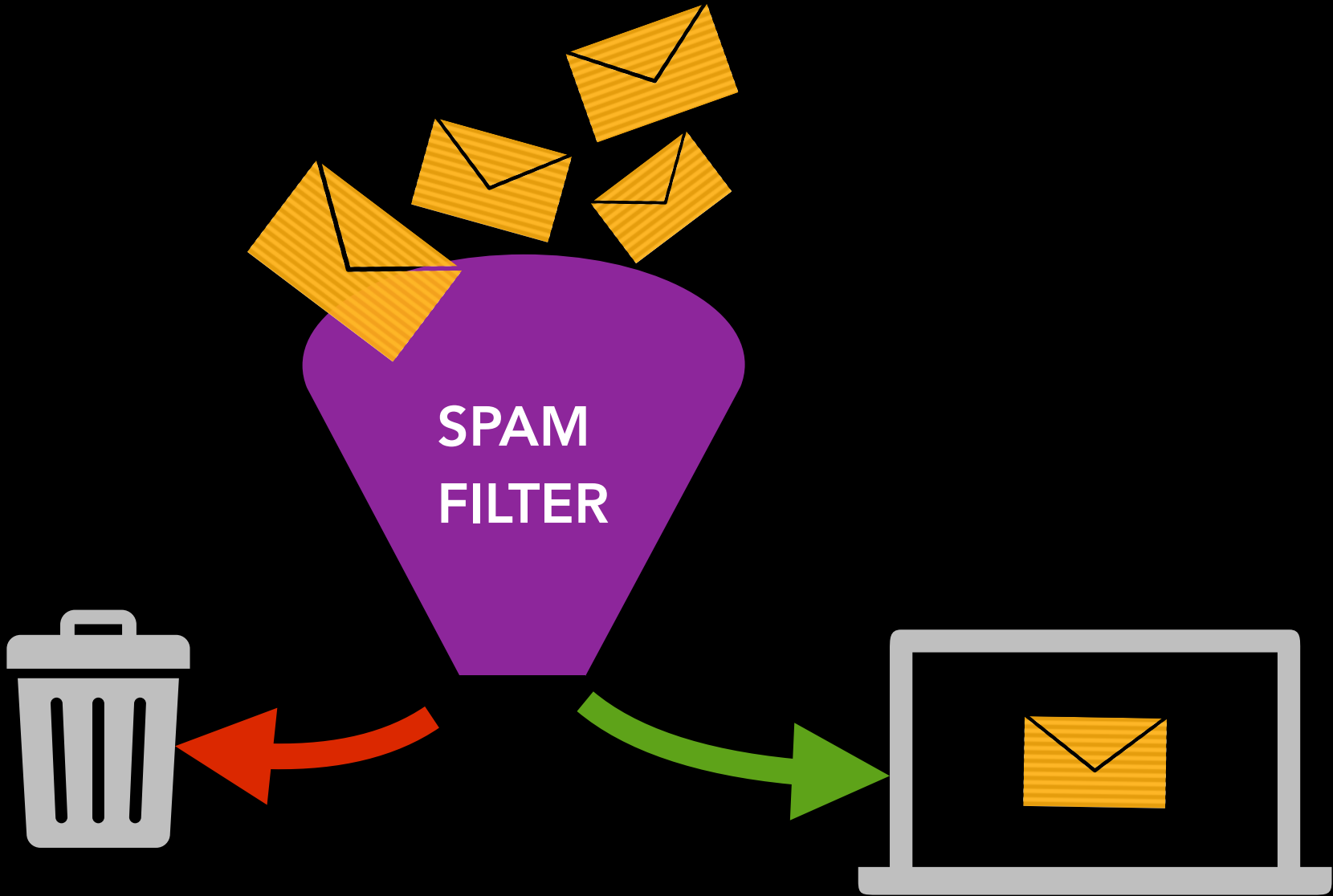
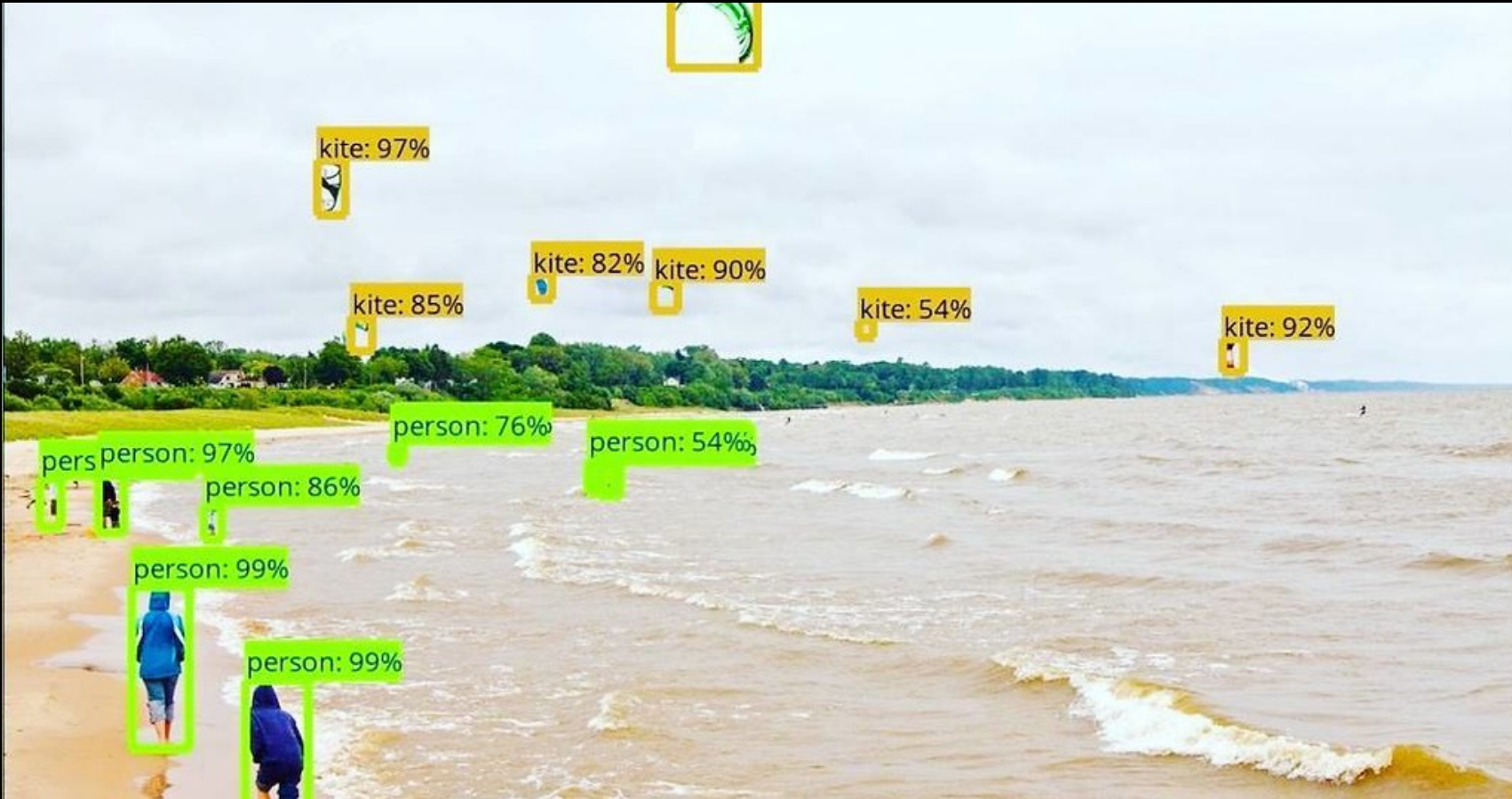
Detect handwriting

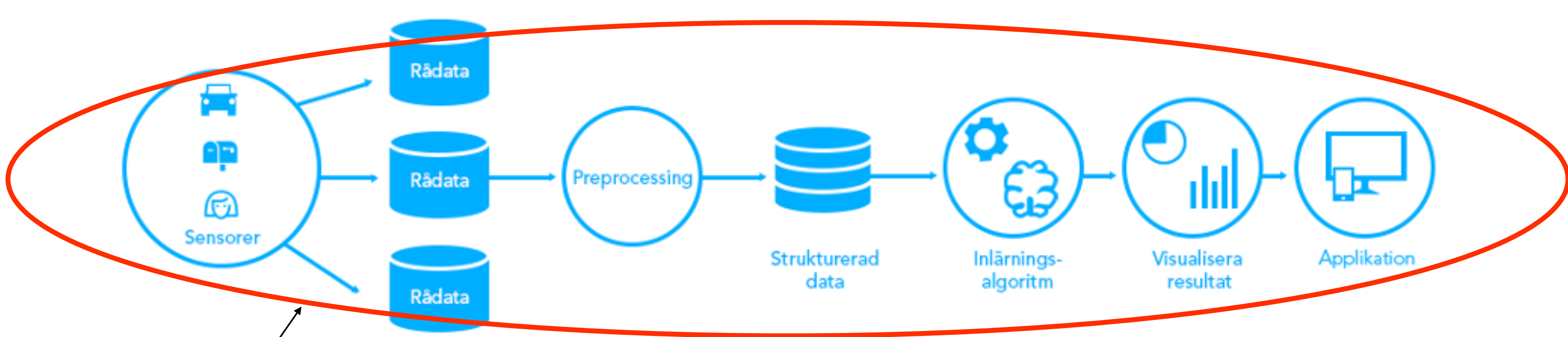


AI



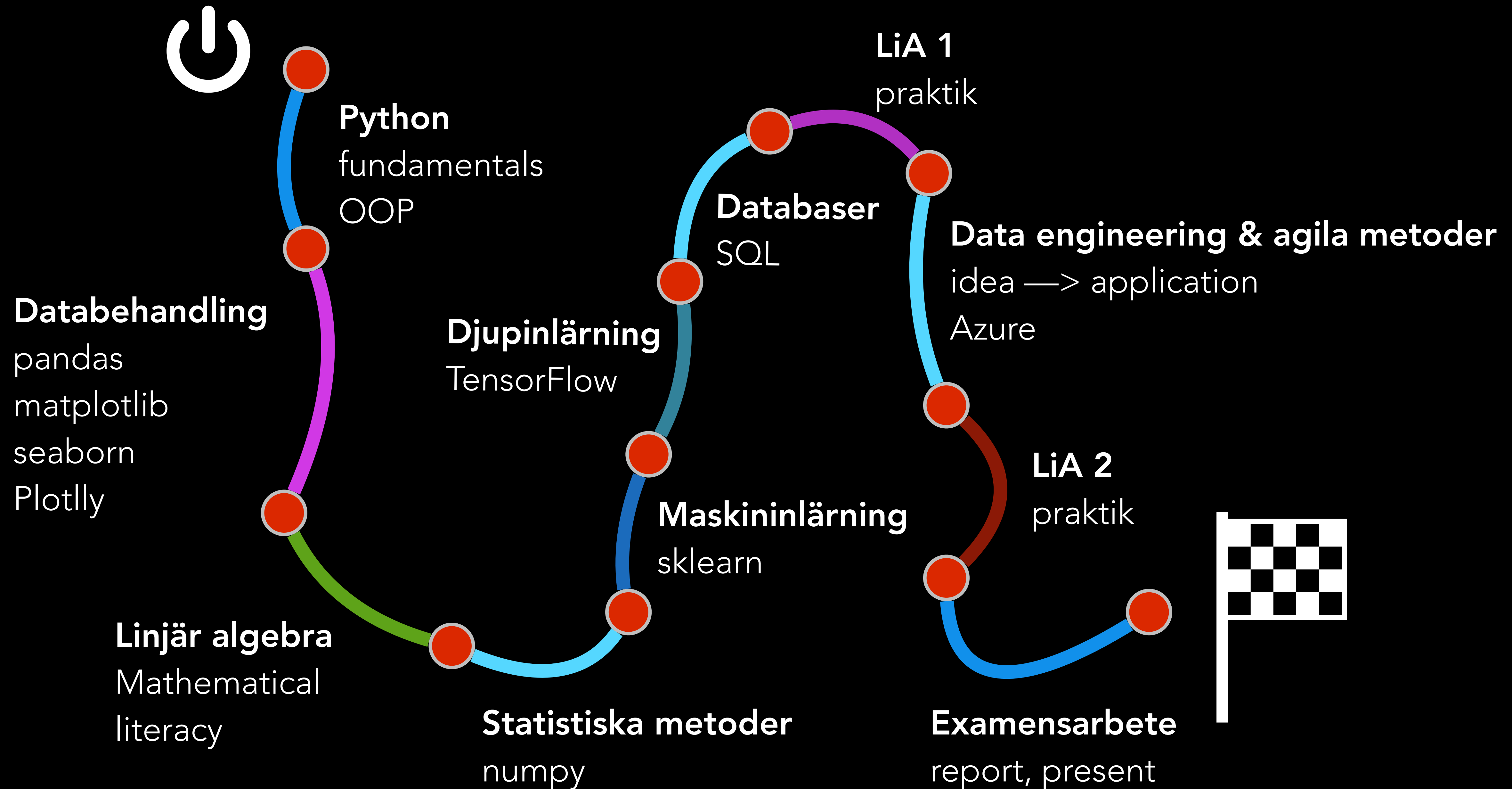
Computer vision



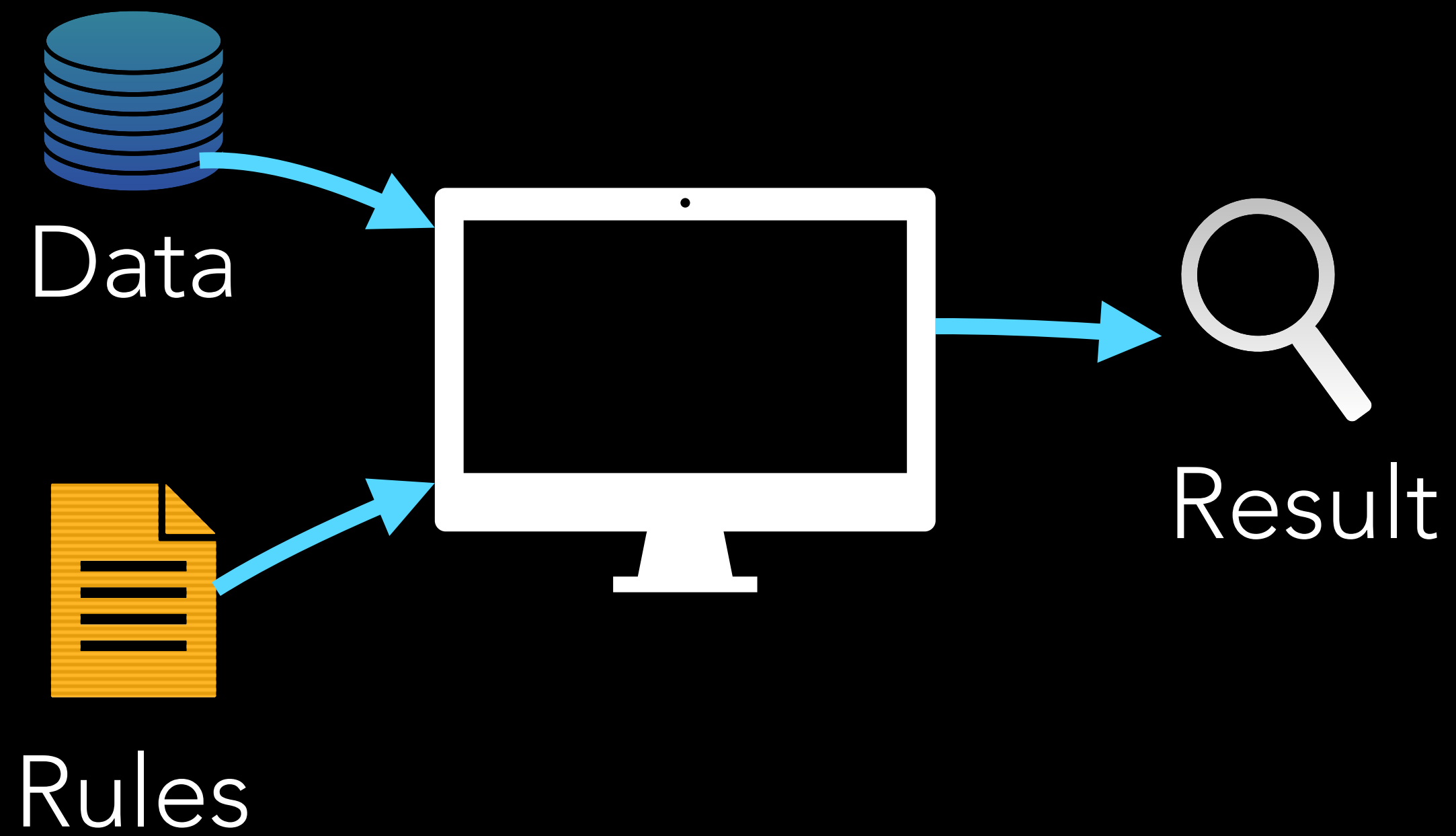


Intro till AI

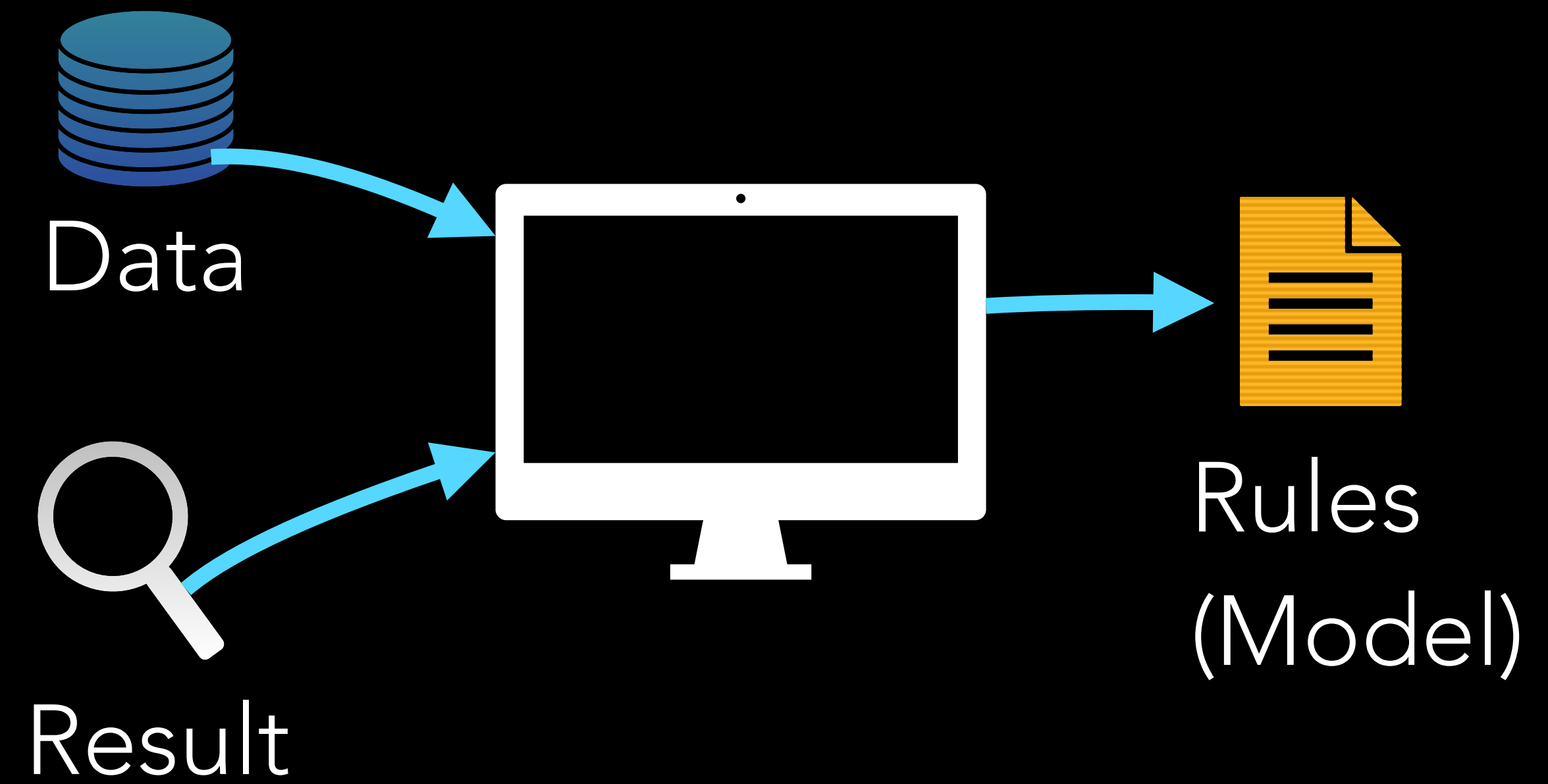




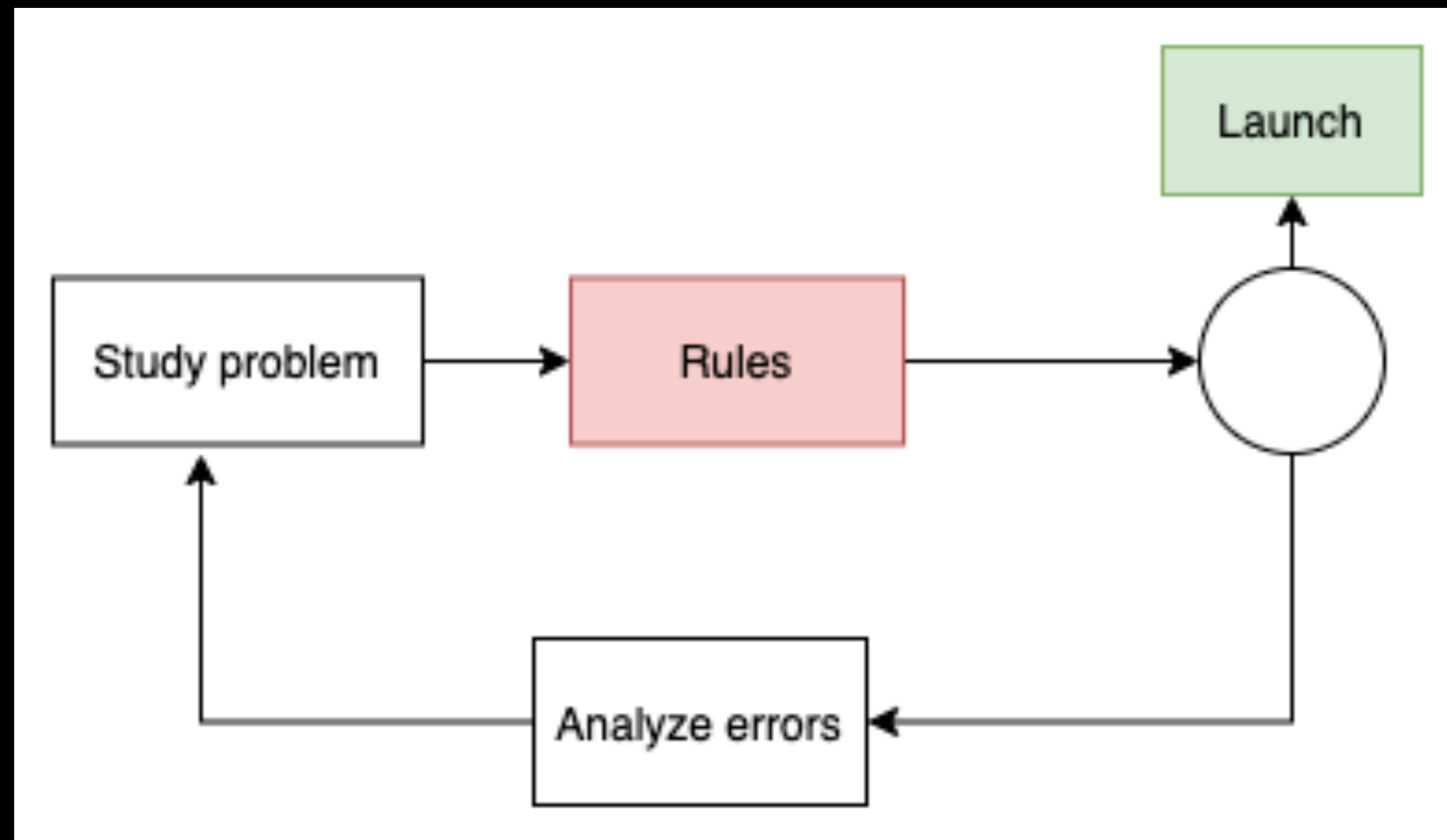
Traditional



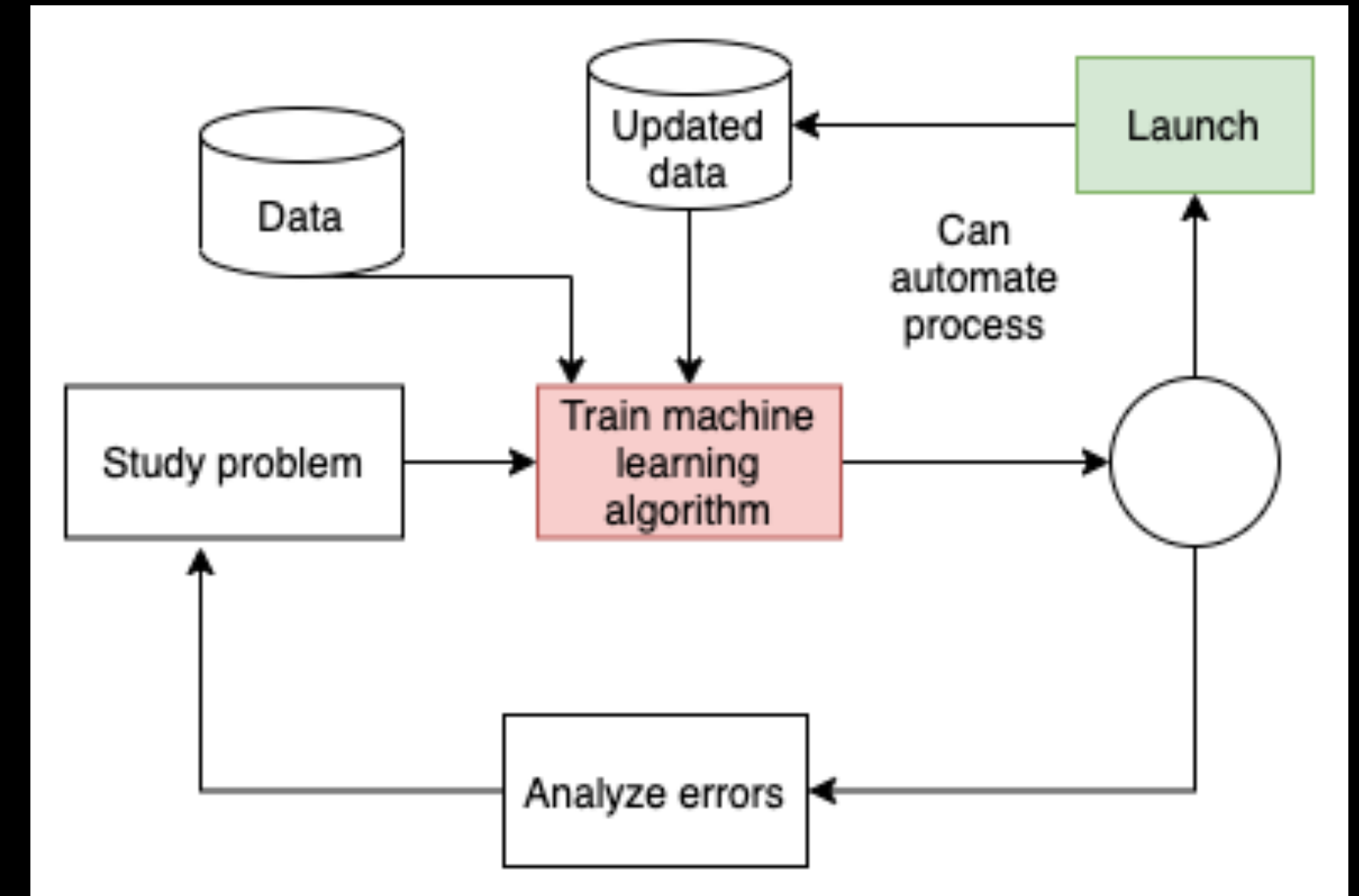
Machine learning



Traditional



Machine learning



Example

Traditional

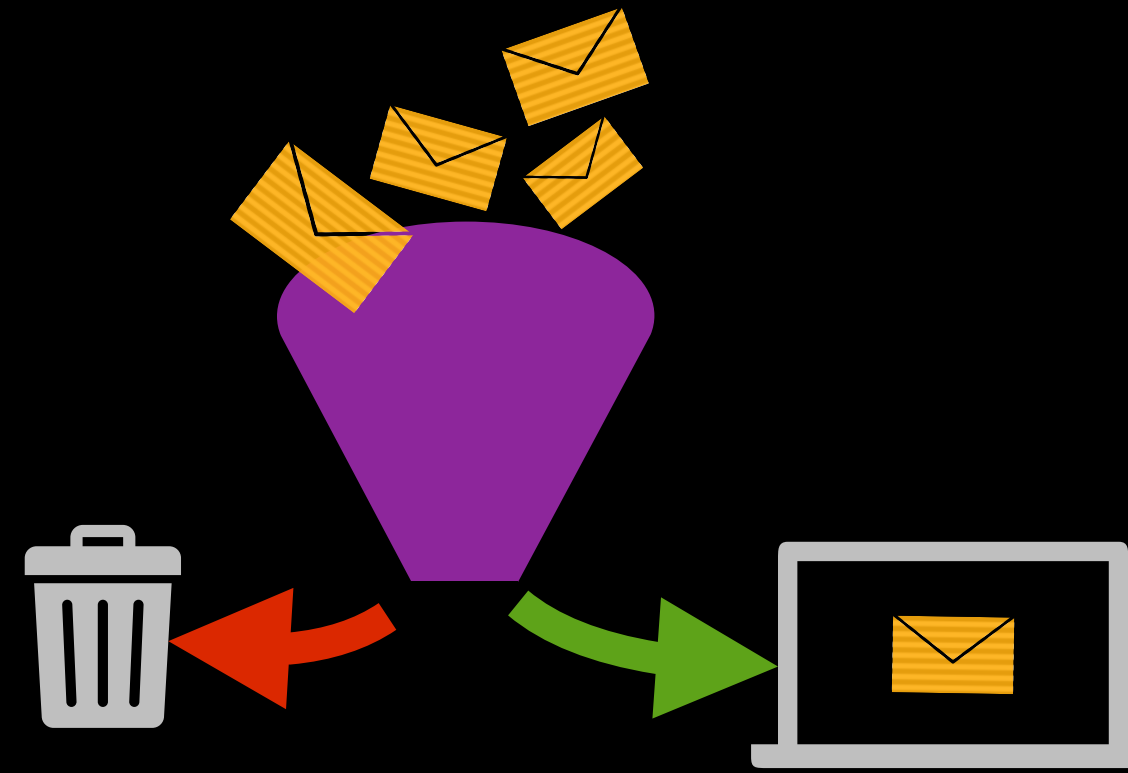
Spam if these phrases exists in the mail:

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

Long list of rules

What happens if spammer changes spelling? e.g.

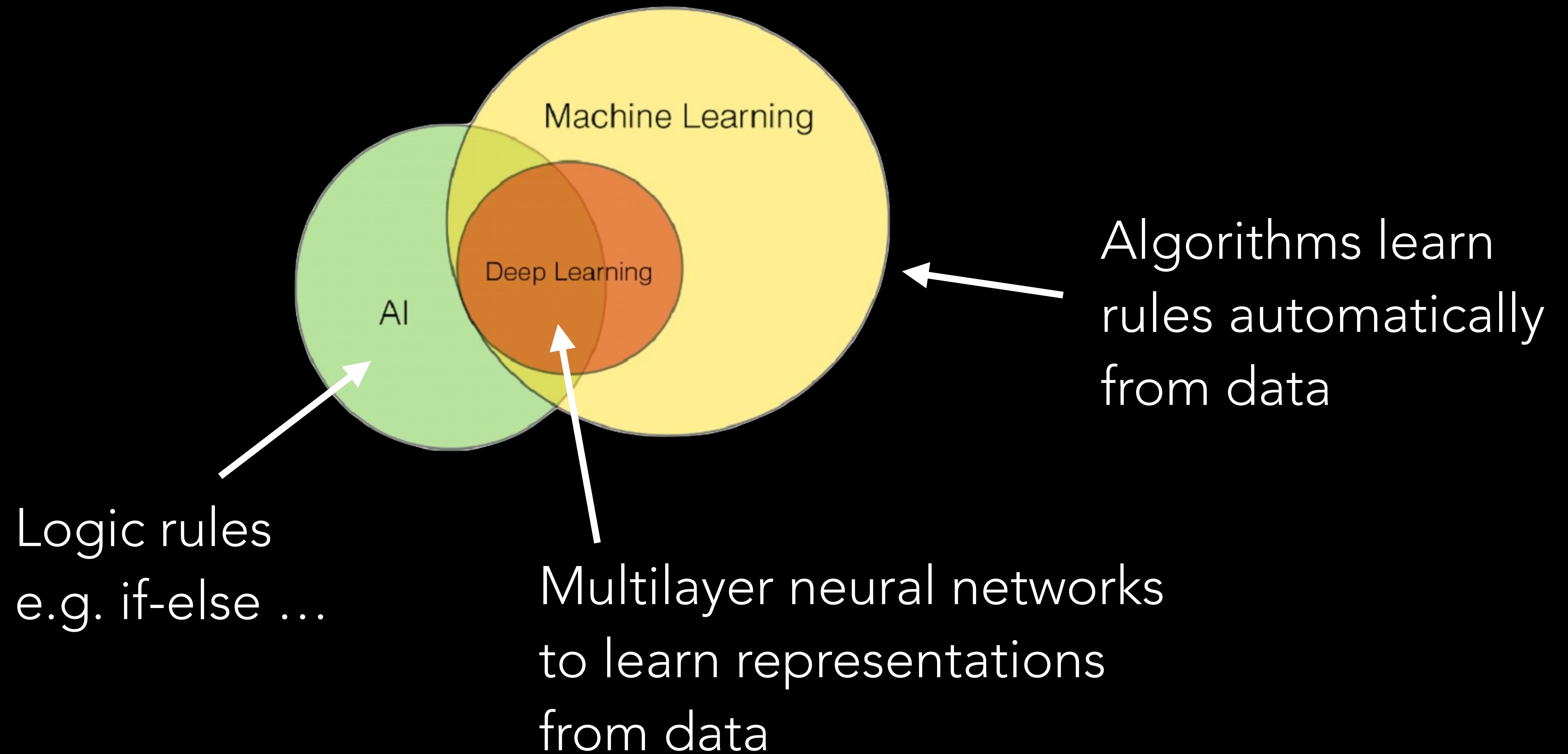
B1tcoin



Machine learning

Automatically finds the changes since they also become more frequently flagged by users —> get more training data

Artificial intelligence



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.