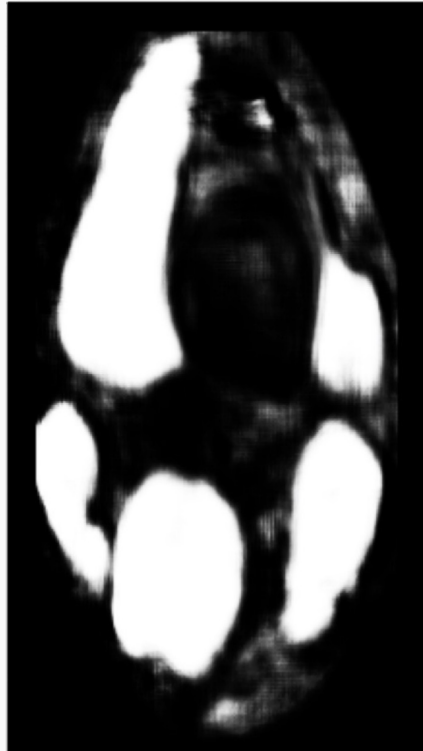
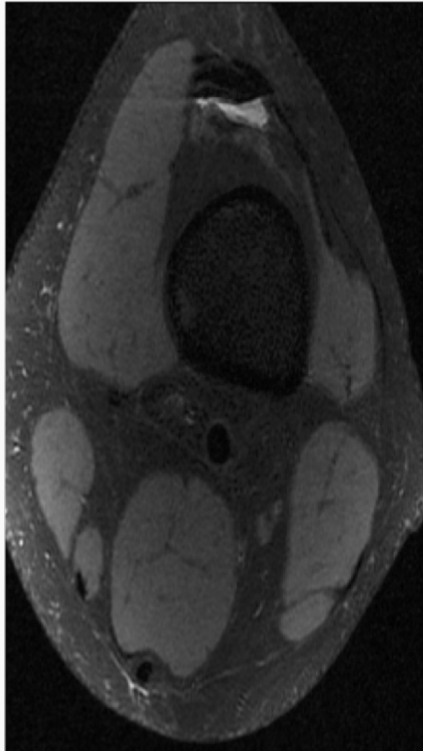
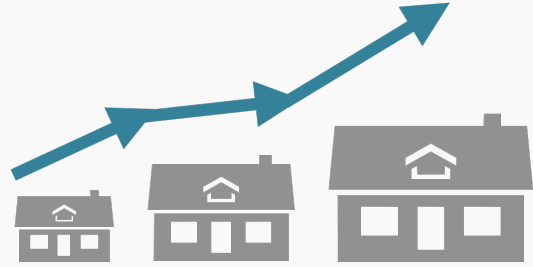


kokchun giang

a brief introduction to **AI**



some applications of AI



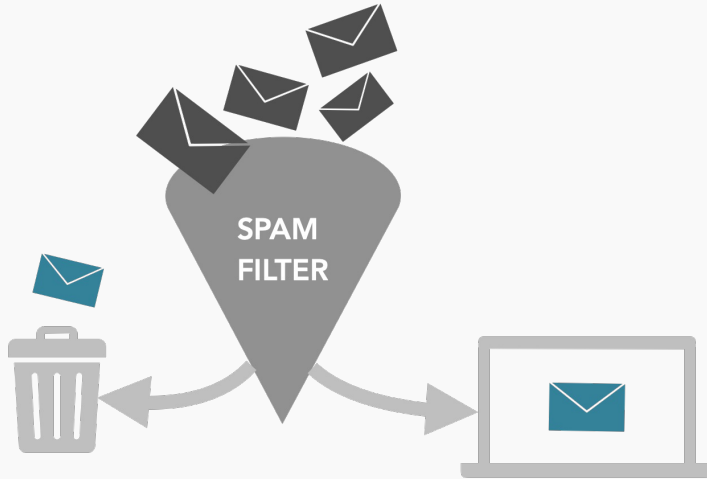
predict house price



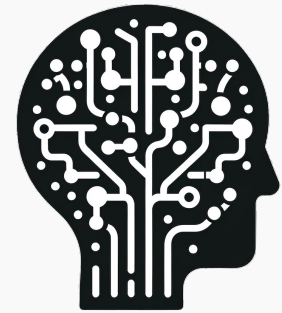
classify heart
disease



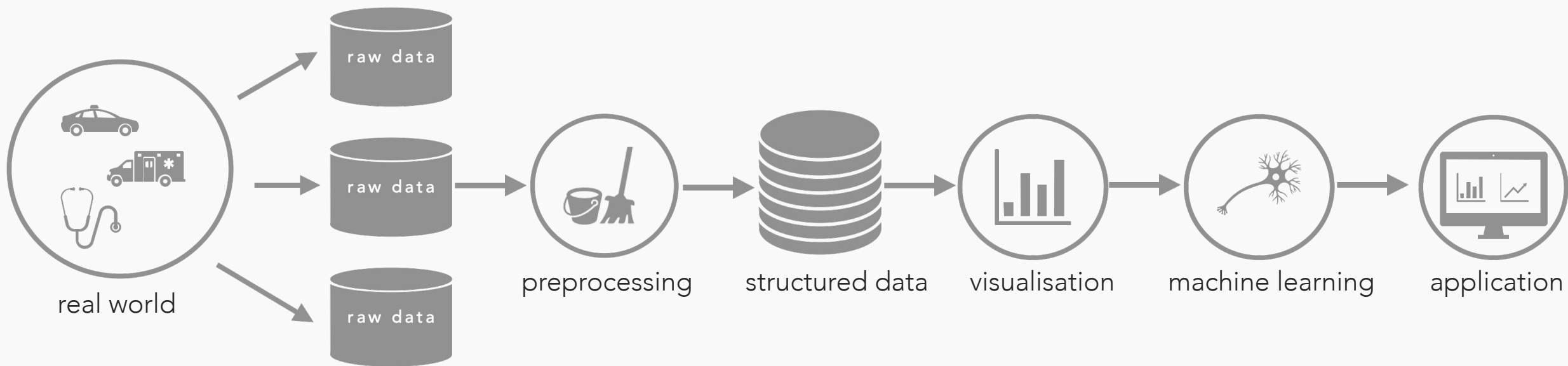
LLMs

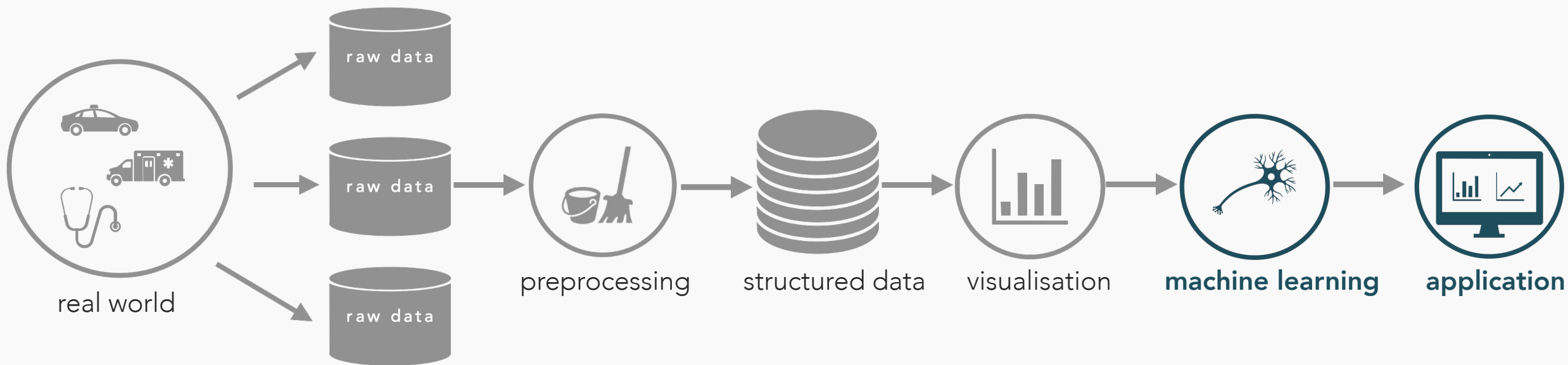


music recommendation
system

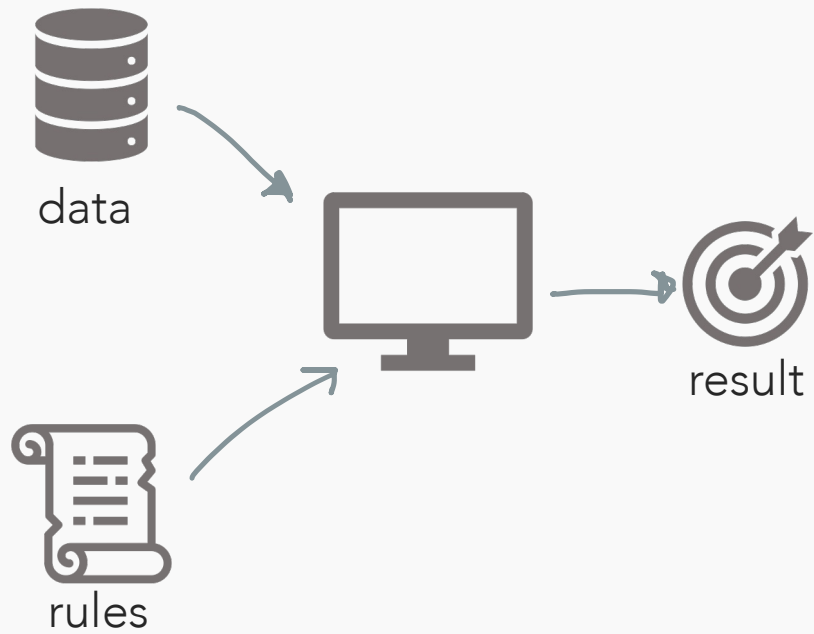


AGI?

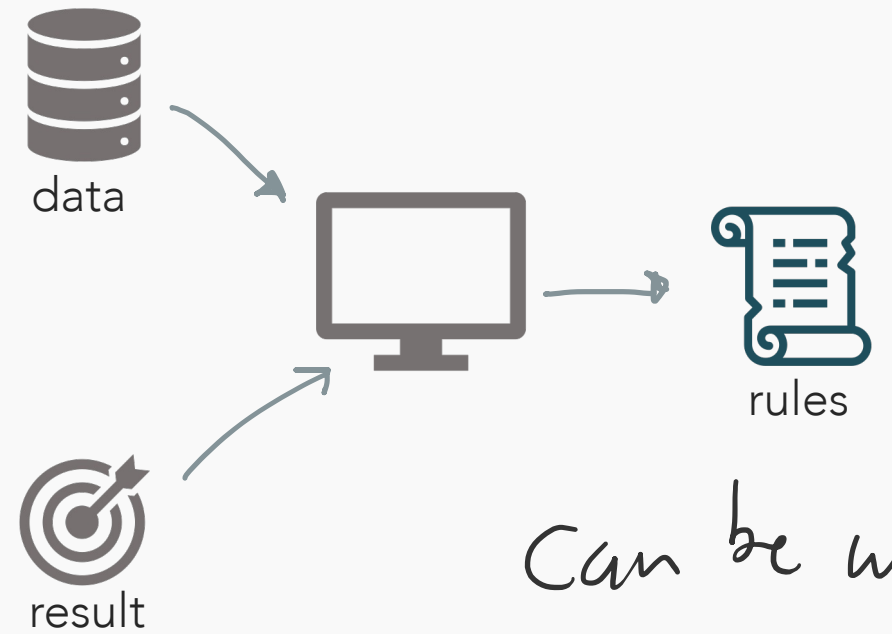




traditional

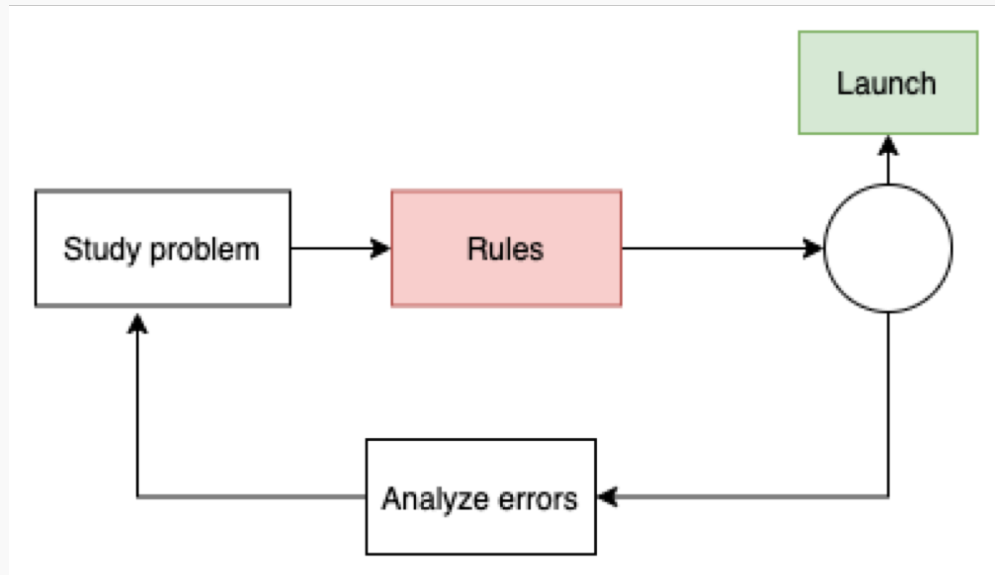


machine learning

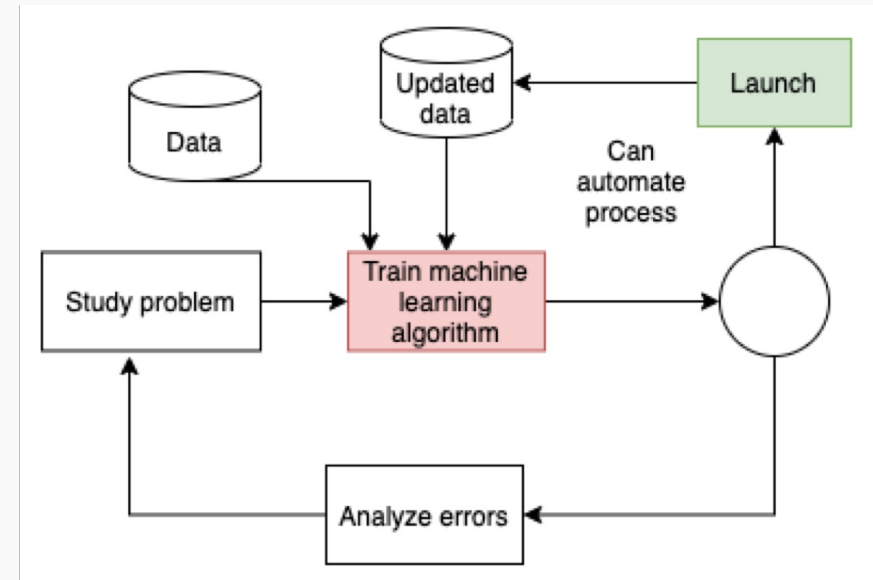


*Can be used
for predictions*

traditional



machine learning



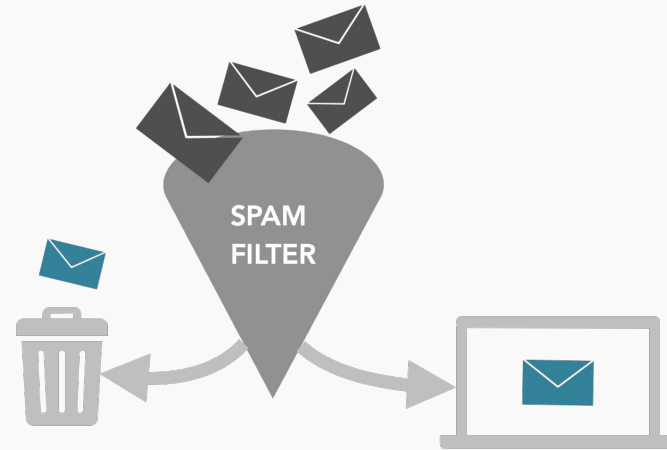
traditional

spam if these phrases exist in mail:

- viagra
- credit card
- inherit bitcoin
- ...

need a long list of rules

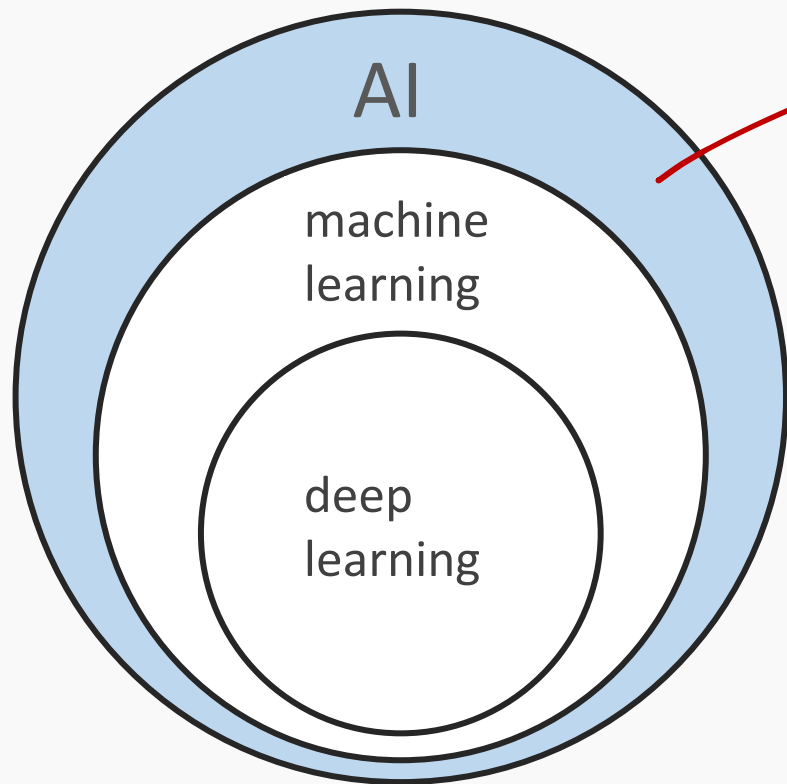
what happens if spammer changes spelling? B1tc0!n



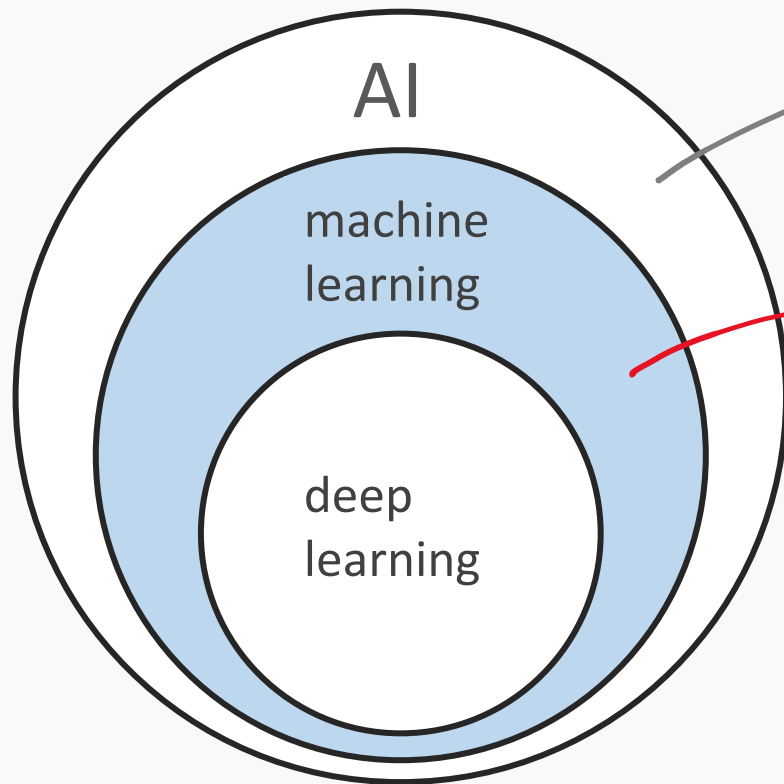
machine learning

can build a system to retrain when more data comes in.

users flagging emails as spams, the system gets more training data

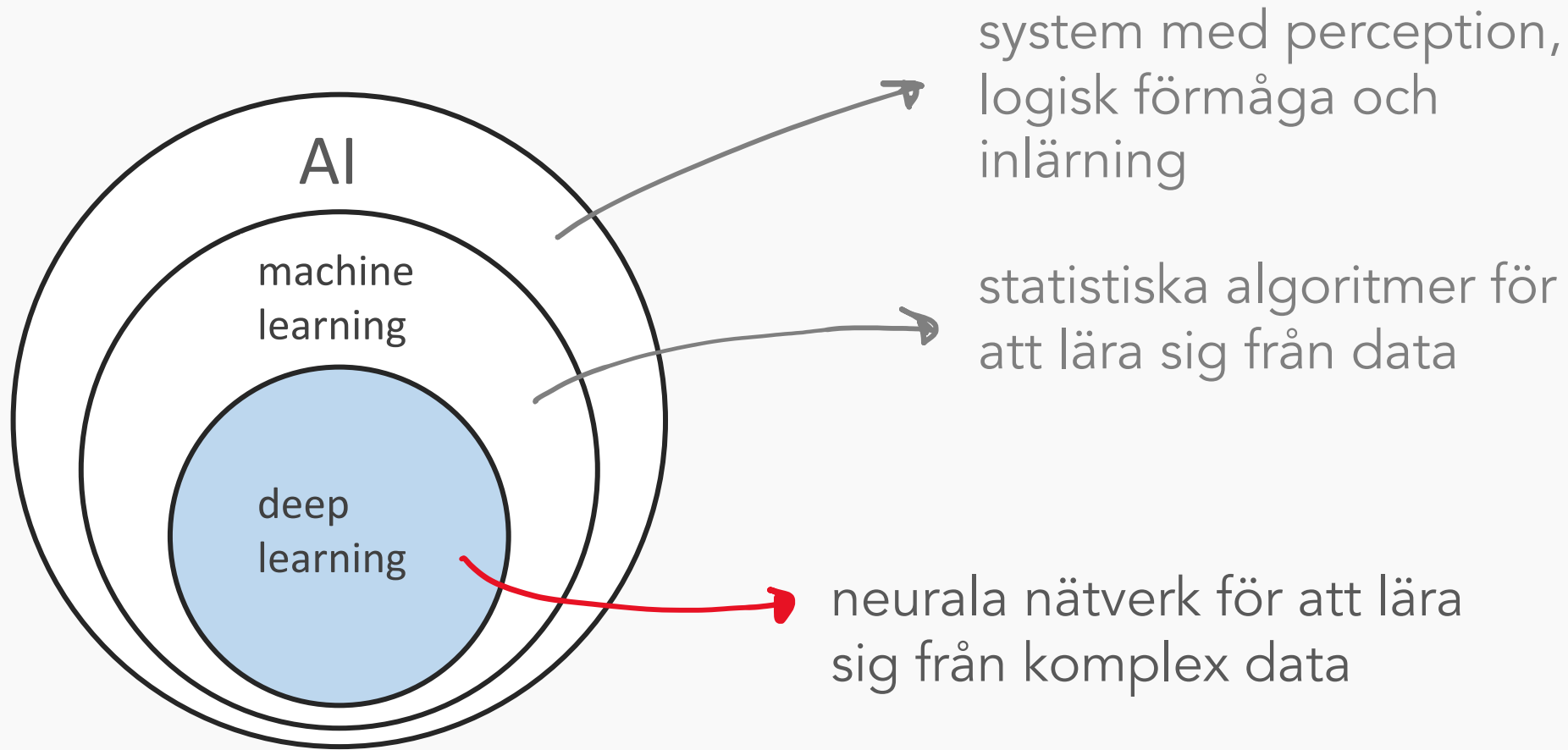


system med perception,
logisk förmåga och
inlärning

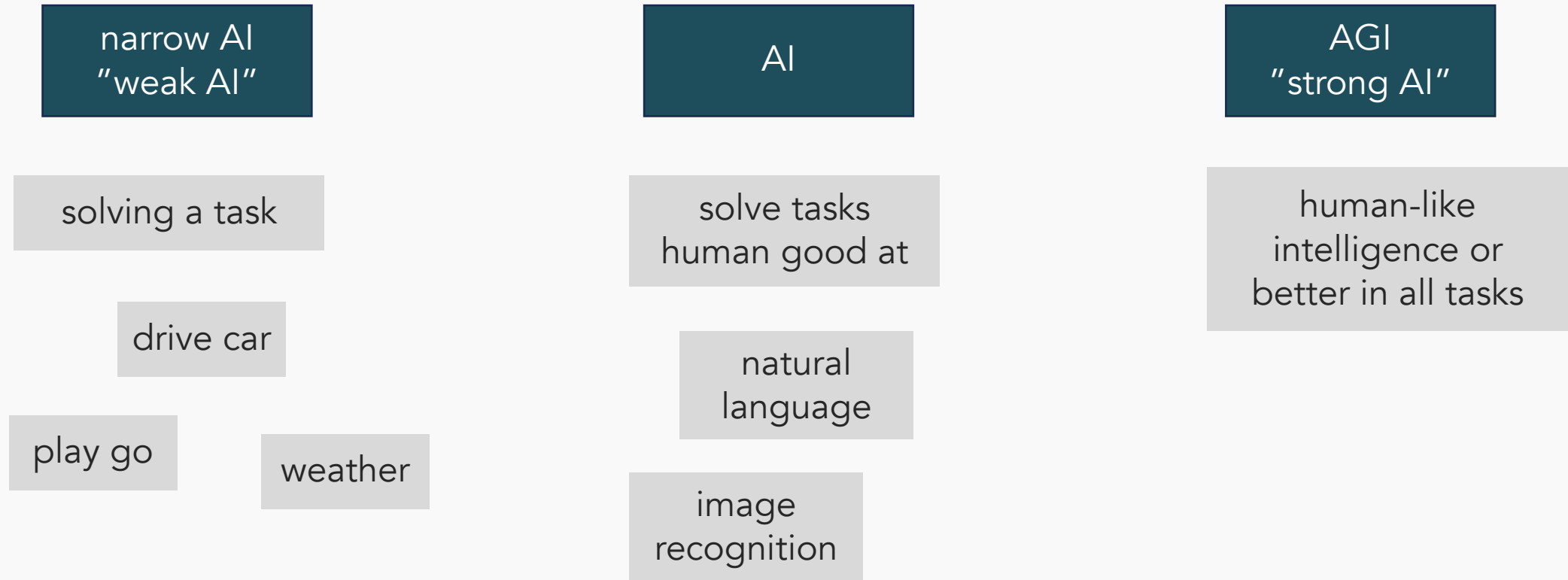


system med perception,
logisk förmåga och
inläring

statistiska algoritmer för
att lära sig från data



different levels of AI



note that these borderlines are quite vague, but keep in mind the different levels

different categories AI

supervised learning

labeled data
prediction

reinforcement learning

decision process
reward
learn actions

unsupervised learning

unlabeled data
clustering
find structure in data

generative AI

generate new content
based on training data