

## **Machine learning**

1. A self-driving car  
<https://www.kdnuggets.com/2017/06/machine-learning-algorithms-used-self-driving-cars.html>
  - Input: detecting, classifying and interpreting objects around vehicle and predicting movement of object
  - Output: adjusting speed and direction of vehicle to manoeuvre around objects
2. Netflix recommendation system  
<https://recoai.net/netflix-recommendation-system-how-it-works/>
  - Input: user's profile of watched TV/movies and ratings, viewing time, device used, other users
  - Output: ranked list of TV/movies tailored to user interests and user profile
3. Signature recognition  
<https://medium.com/algoanalytics/signature-verification-using-deep-learning-bae4a6ee458d>
  - Input: user's signature detected
  - Output: user's signature verified against database of reference signatures and matching confidence generated
4. Medical diagnosis  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8950225/>
  - Input: patient sample (medical slides or medical images)
  - Output: pinpoints markers of disease if present in patient sample