

For each of the following examples describe at least one possible input and output:

- A self-driving car

Input – google map; GPS; videos from cameras in cars.

Output – choosing roads with less traffic; calculating the road to use less petrol; choosing the fastest road.

- Netflix recommendation system

Input – watching history; favourite movies, and genres.

Output – list of recommended movies divided into genres; similar movies based on the input.

- Signature recognition

Input – calligraphy; samples of writing.

Output – signature validation app; proving identity of user.

- Medical diagnosis

Input – blood test; history of illness.

Output – recommended diet; recommended sets of exercises.