CS 59000 Reinforcement Learning (RL)
Instructor. Prof. Kamyar Azizzadenesheli
M/W   4:30_5:45   LWSN B155
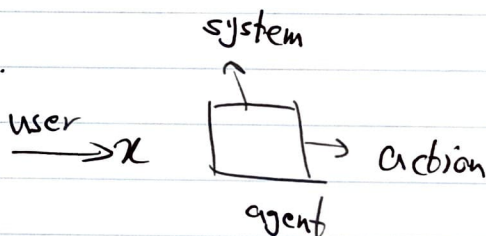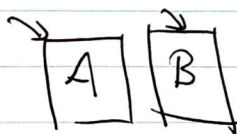office hr. 5:45_ 6.45
https://quenestatus.com/quenes/1057
Agenda:
  - Introduction
  - Other stuff

RL: The study of sequential decision making
under uncertainty.

Recommendation System.
Advertisement

A   B

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news industry: MSN, Yahoo,

Netflix: Recommendation System.

Dialogue systems: Sivi_ Ghome, Alex.

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stock market:

2)

Babies:
Drug discovery.

	A	B	C	D
	↓	↓	↓	↓
	70	40	60	90

$$P_1 \quad D_2 \quad D_3 \quad D_4$$
$$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$$

Weather prediction:
self driving cars.
spotify recommendation.
power grid managment.
Data center cooling.
Robotics:
Control system.

$$x_{t+1} = f(x_t, a_t)$$

$$x_{t+1} = f(x_t, a_t, \omega_t)$$

$$\dot{x}_t = f(x_t, a_t, \underline{a_t})$$

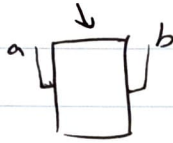Designing Electrical circuit.

Game theory

Game playing.

3)

Pavlov Exp.

Casino:

a	10	10	o	o
b		o		

think about this sentence:

Pinocchio says:

My nose grows now!