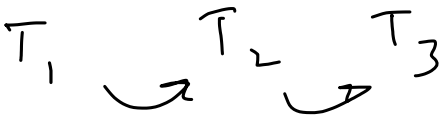
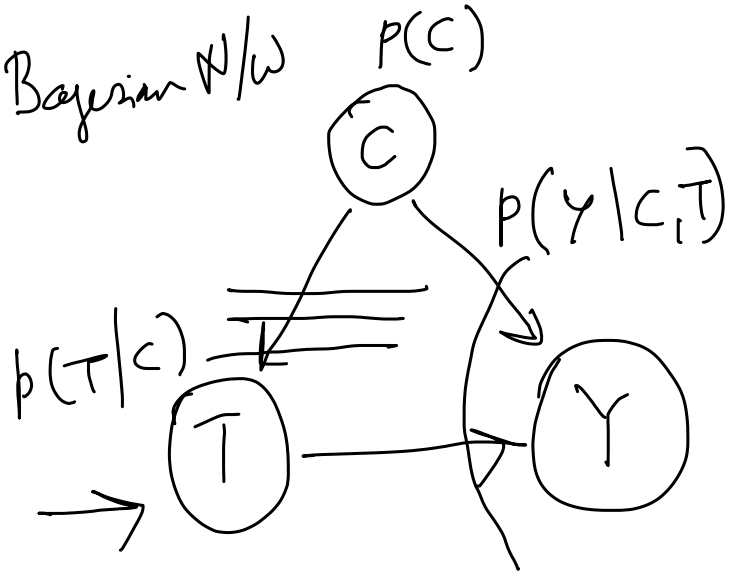
Board 3

Tuesday, 20 April 2021 5:35 PM





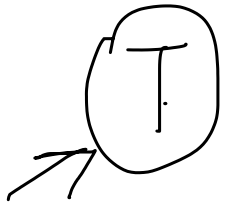
Pearl

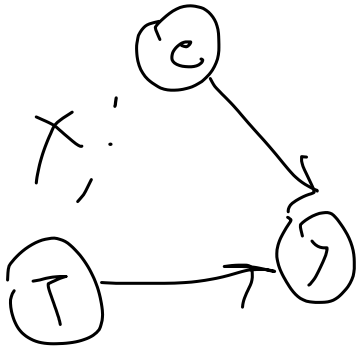
=

Intervention

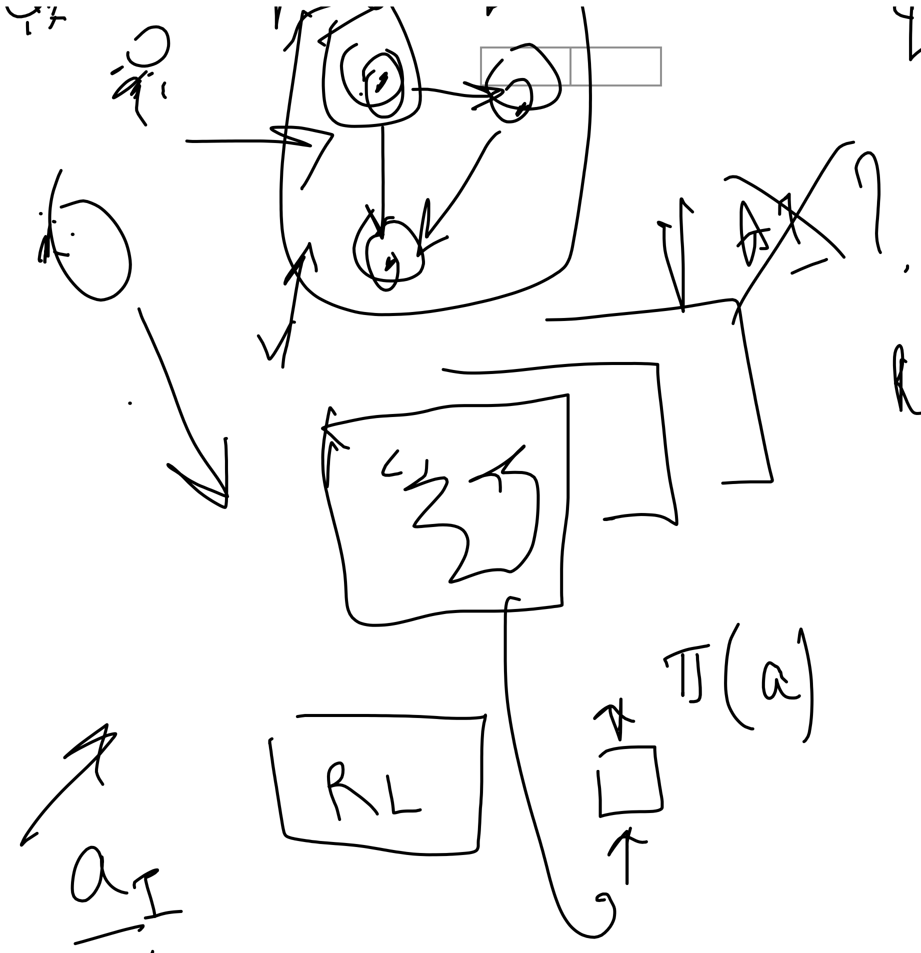
=

$p(Y \mid do(T))$





$p(Y \mid T, C)$



Rich obsv space

$s \to \hat{s}$

$$p(\hat{s}' \mid \hat{s}\,\hat{a})$$

$$r(\hat{s}, \hat{a})$$

$\hat{s} \to s$

$\hat{a} \to a$

Discrete MDP

$$\pi(a, s)$$

$r(a, s)$ predict

a_i, s_i, r_i

$p(s_t | s_{t-1}, a_{t-1})$

Model-based RL

M

Meta-learn

- Opt — MAML
- Model — CNP
- Metric — Matchn.

Few Shot.

Domain Gen, & L

ILP

Logical learning

Applications

Causality, Metal-learning Discovery

state of art / human

Final : optional 30th April