

### Result TABLE

A

B

Isabella's Filled  
Artifact to use for Jenc

[illegible]

So experiments are conducted in 2 phases that run independently (sequentially)

2) Declare A combination set of  $(\pi_{int}, H, E) = S$

4.1) Feed the Declaration to stage A

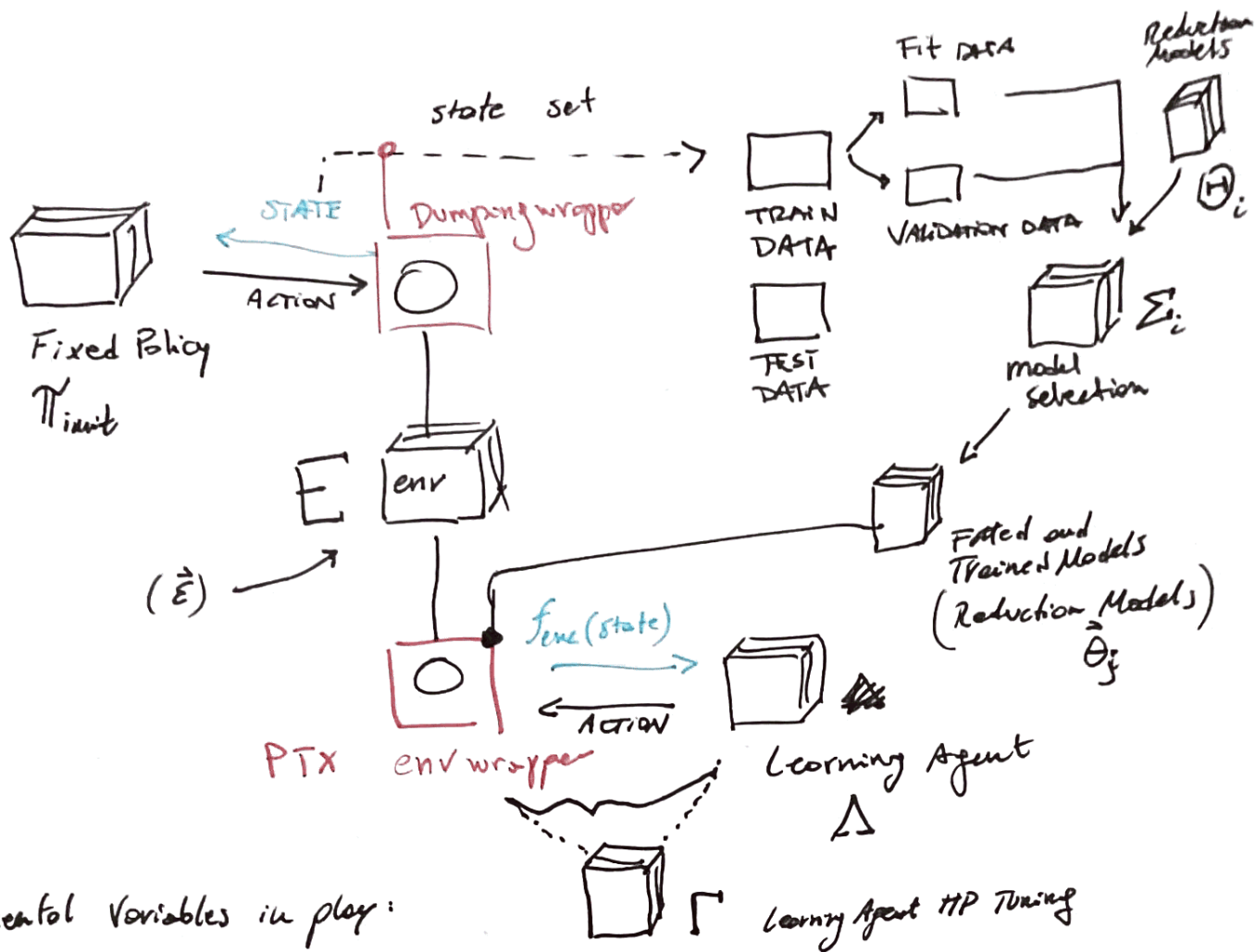
which produces  $|S|$  ~~fit~~ fitted artifacts  $\{\theta_j\}$

2) Deduce a combination set of  $(\theta_j, \Delta, \Gamma)$

## 2.1) Feed Declaration to Stage B

which produces result table records

And Fitted Policy Artifacts which can be re-used as  $\pi_{init}$  for fine tuning new Approaches



Experimental Variables in play:

- 1) The  $\pi_{init}$  policy that synthesizes Training Data For the Reduction Models
- 2) The class of Reduction models to use For State Reduction  $\Theta_i$
- 3) Model selection strategy  $\Sigma_i$  (we can assume Fixed for now)

1, 2, 3 Together  $(\pi_{init}, \Theta_i, \Sigma_i) = A$   
is the first configuration unit

↳ produces a fitted artifact  
For a given Target Environment  $E_k$

- 4) The Target Environment  $E_k$  parametrized on  $\vec{E}$  (if needed)

$$f_{fitprx}(A, E) = \hat{\Theta}_i \dots \rightarrow \text{Fitted model artifact with ID derived from } (A, E_i)$$

- 5)  $\Delta$  the Learning Agent Algorithm with the Hyper Parameter Tuner for it
- Refinable For pre trained Usage