

A RC Agent elements Agent - Continually interacts w/ timesters

oby is to max reward Policy Function that specys the Behaviour availant to an agret given the env State to achan function may be either peterminisin or Stochastic value to agents estmetai of future reward neward vs value reward is Short-term gain from wear to Value long-term total gain to more important to learning

| SL                                 | PC                     |
|------------------------------------|------------------------|
|                                    |                        |
| · model (weignb)                   | · Agent (Policy)       |
| input data                         | · Env state            |
| Prediction                         | · Agent Acting Next    |
|                                    |                        |
| · 1085 Func                        | · Reward               |
| model is train on                  | Agent & Env interov    |
| carsting ground truth (input data) | Learn                  |
| (in put data)                      |                        |
|                                    | Agent learns From      |
| nin loss on train data             | enperence (no enist mi |
| generalize to unseen               | MILLAN COLOR           |
|                                    | Exploration of aché    |

## Exploit vs Exploration

Exploration - Select racions select for next (greeds) actions revoves

Exploration - See select acroni we uncertain volue to obtain better volue explorate

test of learn for future