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How Does The "Model"?

Background vs Decision-making Planning



Time of Planning

Decision-timing Planning

- Find best action for current situation

Background Planning

- Learn (from past data) how to act in any situation

**Continuous
actions**

**Discrete
actions**

**Simulate
environment**

Assist learning Algorithm

- **MCTS**

- ...

- **iLQR**
- **CEM**
- **MPPI**
- **...**

- **DYNA**
- **Latent dynamics**
- **...**

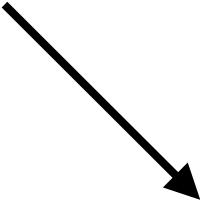
- Policy backprop

- ...



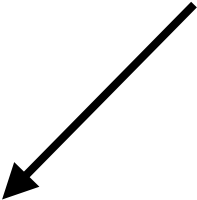


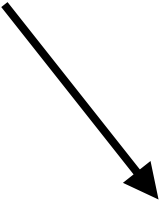










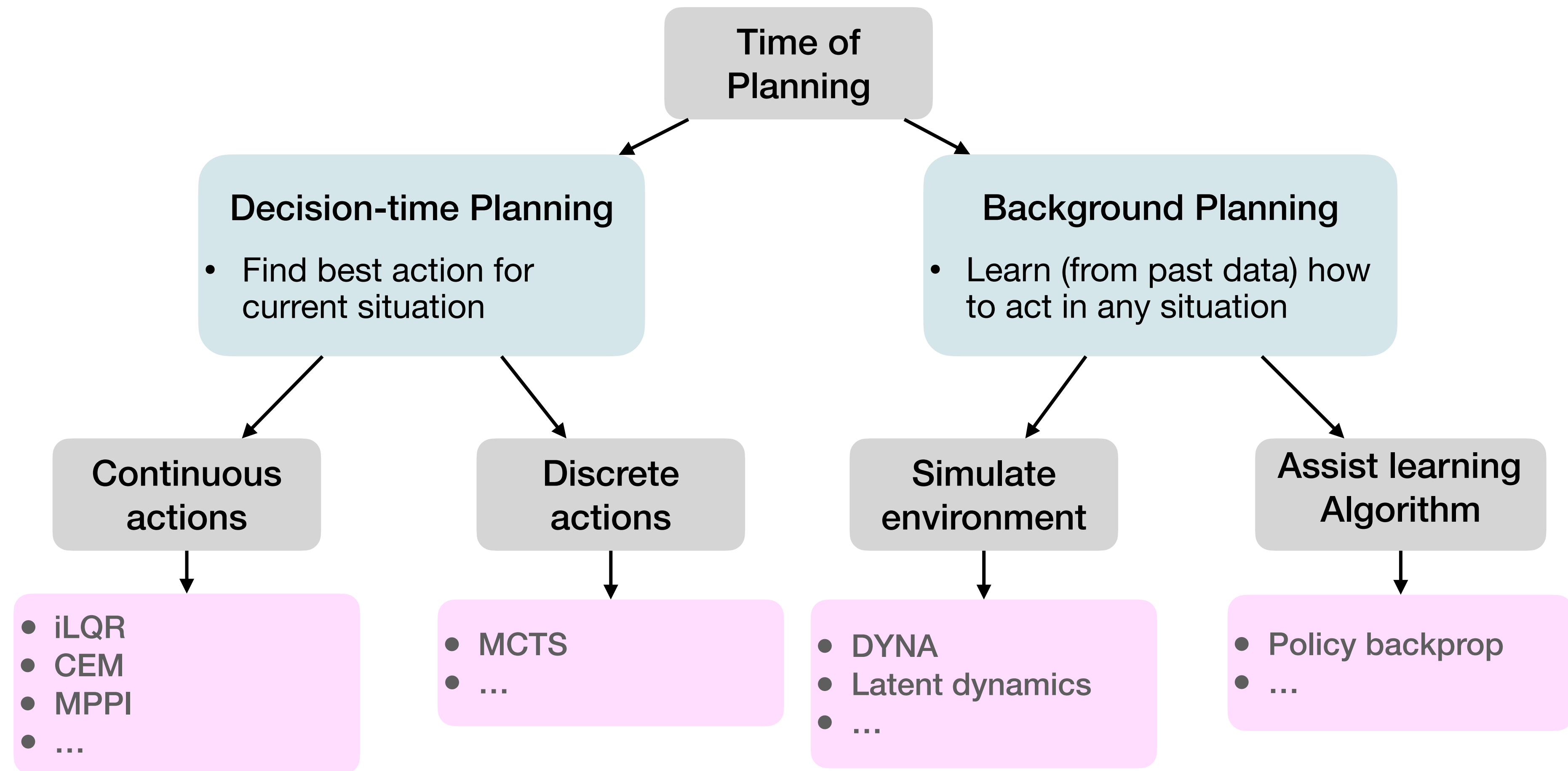






How Do We Use The "Model"?

Background vs Decision-time Planning



Background vs Decision-time Planning

Background planning

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Decision-time planning

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