of the corresponding **Observation Space** (`Box(4,)`) and **Action Space** (`Discrete(2)`).

CartPole-v0	Box(4,)	Discrete(2)	(-inf, inf)

As described in the OpenAI Gym documentation,

> *Every environment comes with first-class `Space` objects that describe the valid actions and observations.*
>
> - *The `Discrete` space allows a fixed range of non-negative numbers.*
> - *The `Box` space represents an n-dimensional box, so valid actions or observations will be an array of n numbers.*

Observation Space

The observation space for the CartPole-v0 environment has type `Box(4,)`. Thus, the observation (or state) at each time point is an array of 4 numbers. You can look up what each of these numbers represents in this document. After opening the page, scroll down to the description of the observation space.

Observation

Type: Box(4)

Num	Observation	Min	Max
0	Cart Position	-2.4	2.4
1	Cart Velocity	-Inf	Inf
2	Pole Angle	~ -41.8°	~ 41.8°
3	Pole Velocity At Tip	-Inf	Inf

Notice the minimum (-Inf) and maximum (Inf) values for both **Cart Velocity** and the