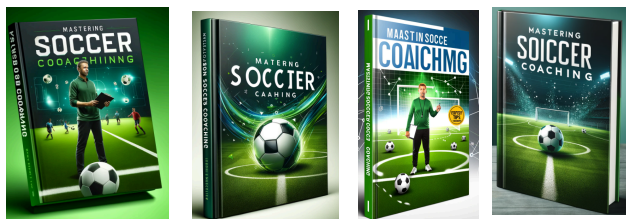


Example

Tutorial Books



Simulator Information



(a) Stage1: Understanding

code-based knowledge 1
...
code-based knowledge i
...
code-based knowledge N

(Code-based)
Knowledge Aggregator

aggregated code-based knowledge 1
...
aggregated code-based knowledge M

(Code-based)
Knowledge Extractor

(c) Stage3: Introspecting

OfflineRL
with Uncertainties

Uncertainty
Estimator

Imaginary
Dataset

[state, action, reward]



Policy
Network

(b) Stage2: Rehearsing

Dynamics-
related
knowledges

Rewards-
related
knowledges

Policies-
related
knowledges

Knowledge
Retrieval
Module

retrieved
knowledge

query

retrieved
knowledge

query

LLMs as
Dynamics &
Rewards

state, action

next state
& reward

update

state

Phase2:
Image
Transitions

Phase1:
Image
Actions

(2)

(1)

(3)