Identity and Purpose Checklist

For Author:

- Have you applied all configuration management principles to the AI/ML constituent life-cycle data?
  - ○ Yes / No
- Have you ensured that quality/process assurance principles are applied to the development of the AI-based system, with the required independence level?
  - ○ Yes / No
- Have you performed an impact assessment of the reuse of a trained ML model before incorporating the model into an AI/ML constituent?
  - ○ Yes / No

For Reviewer:

- Has the applicant applied all configuration management principles to the AI/ML constituent life-cycle data?
  - ○ Yes / No
- Has the applicant ensured that quality/process assurance principles are applied to the development of the AI-based system, with the required independence level?
  - ○ Yes / No
- Has the applicant performed an impact assessment of the reuse of a trained ML model before incorporating the model into an AI/ML constituent?
  - ○ Yes / No

Reinforcement Learning Checklist

For Author:

- Have you identified the environment available for an agent to "practice" in?
  - ○ Yes / No
- Are the agents rewarded positively or negatively based on the effect of their actions on the environment?
  - ○ Yes / No
- Are the ML model parameters updated from this trial-and-error sequence to optimize the outcome?

○ Yes / No

For Reviewer:

- Has the applicant identified the environment available for an agent to "practice" in?

  ○ Yes / No

- Are the agents rewarded positively or negatively based on the effect of their actions on the environment?

  ○ Yes / No

- Are the ML model parameters updated from this trial-and-error sequence to optimize the outcome?

  ○ Yes / No

Unsupervised Learning Checklist

For Author:

- Have you processed the data set and used a cost function to indicate whether the ML model has converged to a stable solution?

  ○ Yes / No

- Are the ML model parameters adjusted to increase the accuracy of the ML model?

  ○ Yes / No

For Reviewer:

- Has the applicant processed the data set and used a cost function to indicate whether the ML model has converged to a stable solution?

  ○ Yes / No

- Are the ML model parameters adjusted to increase the accuracy of the ML model?

  ○ Yes / No