report requirements.md 2025-10-30

Requirements

- 1. Refer to results section
- 2. Analyse baseline results and identify improvements that can be made
- 3. Hypothesise improvements that improvement 1 will make
- 4. Analyse results of improvement 1 to confirm hypothesis, particularly improvements to survival reward and acheivement rewards.
- 5. Repeat steps 1 4 for improvement 1 to improvement 2
- 6. Compare DQN to PPO, commenting on strengths and weaknesses, how well each agent achieves the goal and their rates of learning
- 7. In methodology, mention how the implementation is different from a standard implementation (how is this RND different from standard RND).

Evaluation

- 1. Add graphs
- 2. Evaluate based on
 - Achievement unlock rate: The percentage of times each achievement is unlocked across episodes
 - · Geometric mean of achievement unlock rates: The overall score combining all achievements
 - · Survival time: Average number of timesteps survived per episode
 - · Cumulative reward: Total reward accumulated per episode
- 3. Discuss results