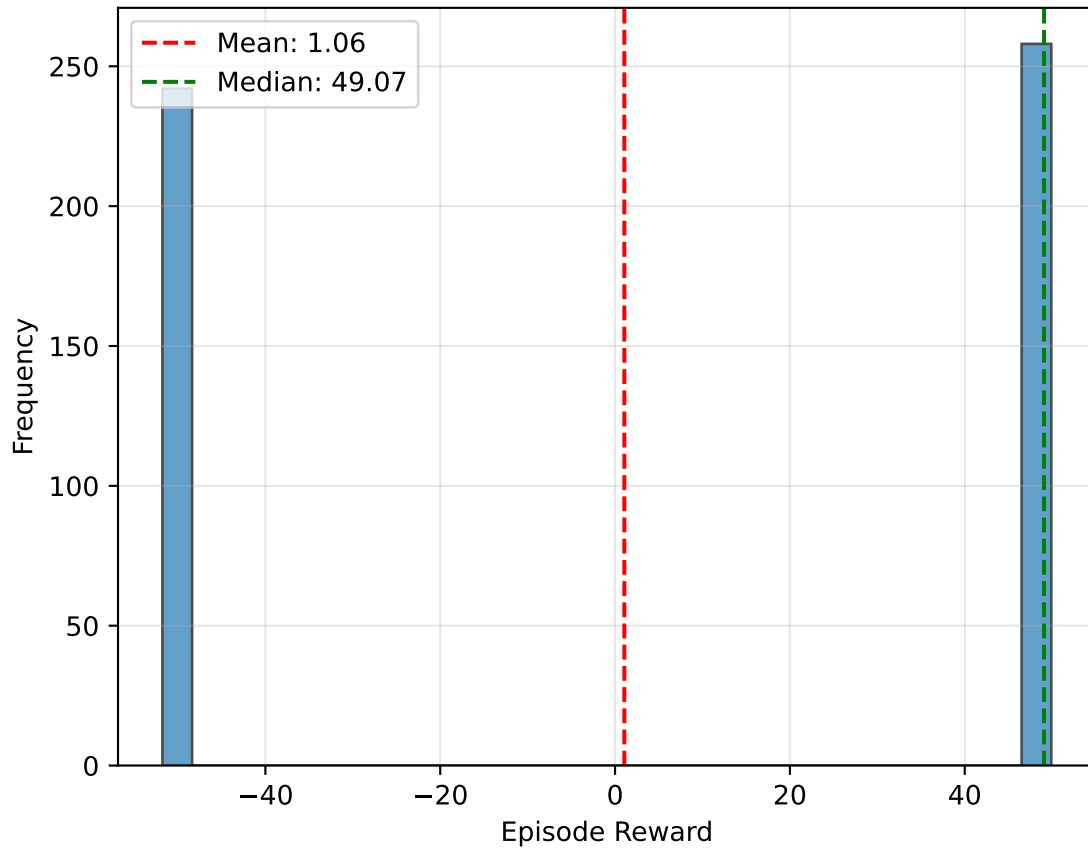
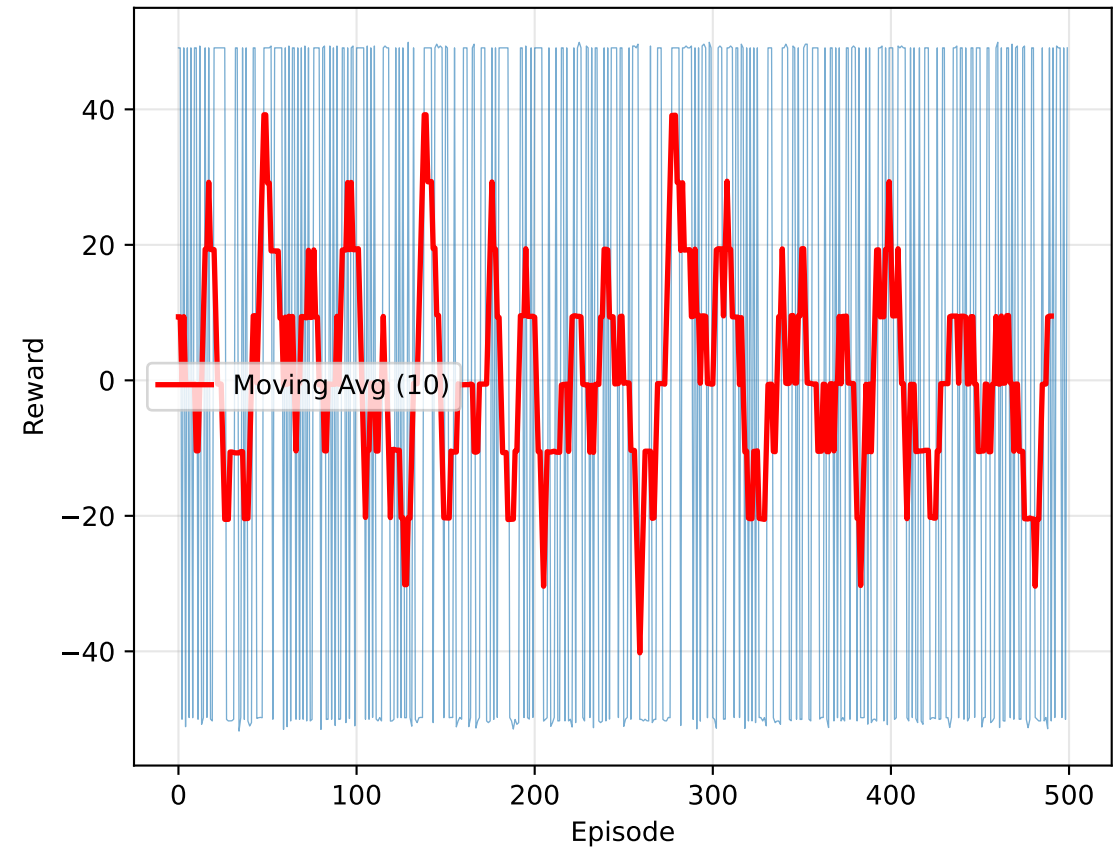


# Evaluation Results - Reward Analysis

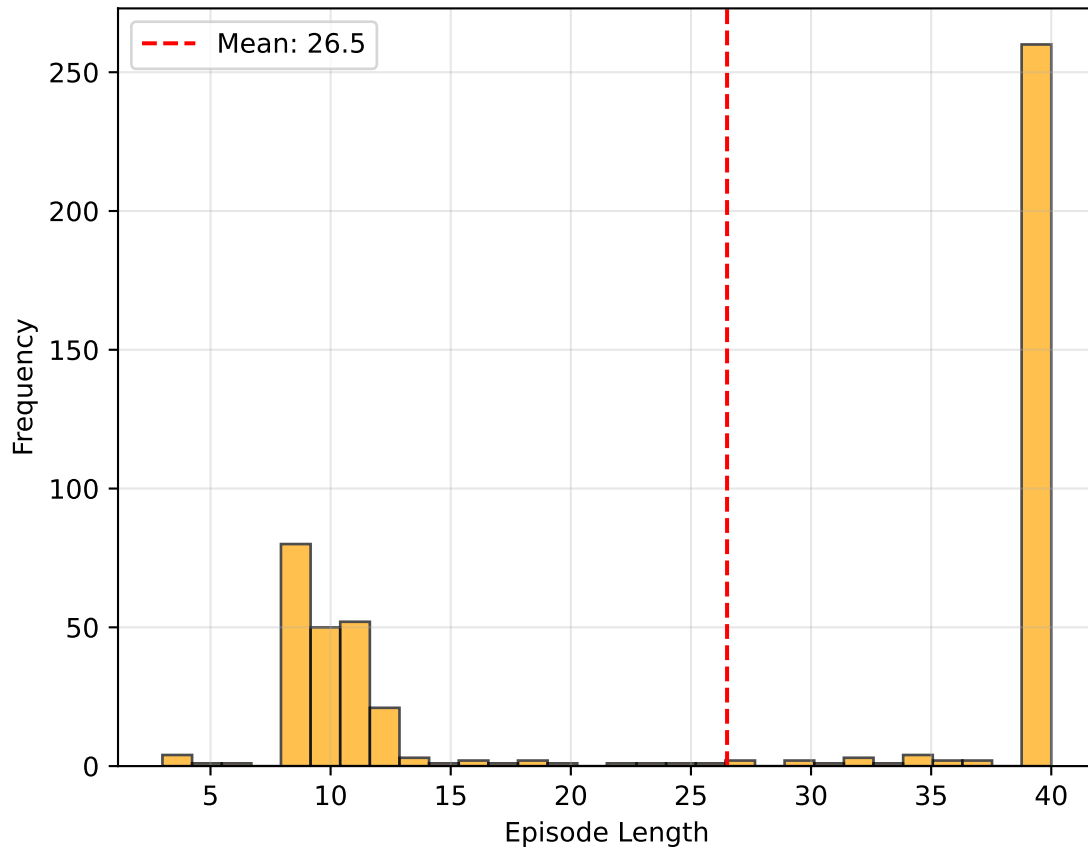
## Reward Distribution



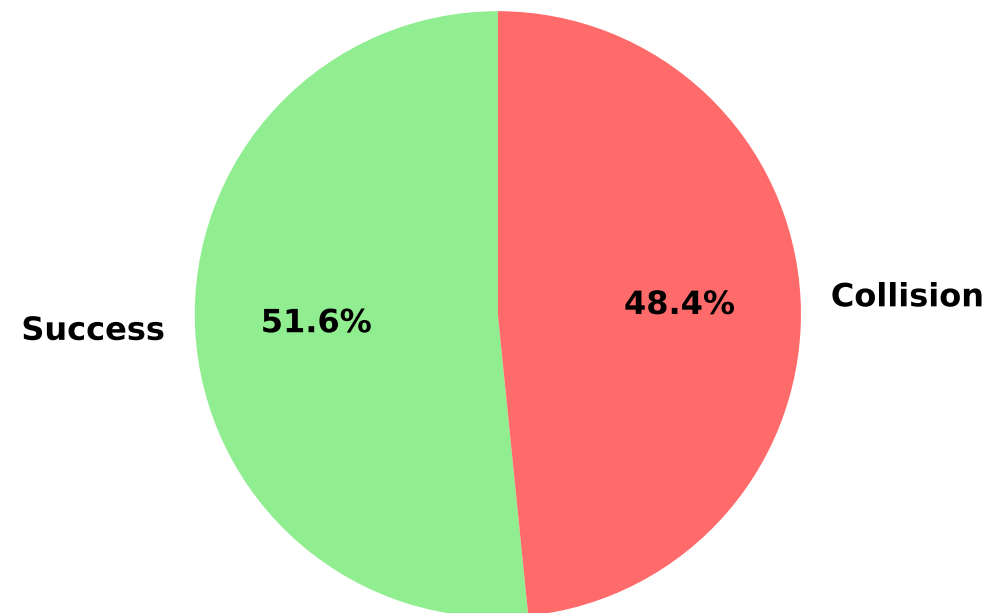
## Reward over Episodes



## Episode Length Distribution

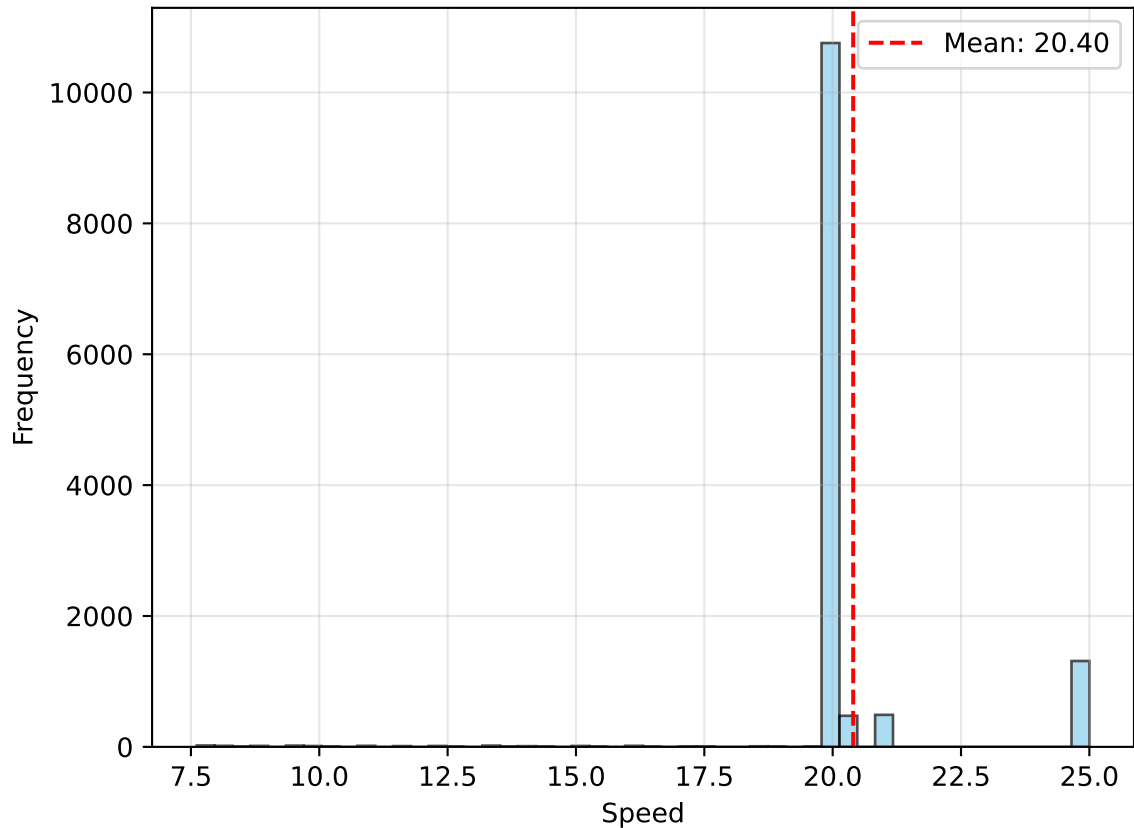


## Episode Outcomes

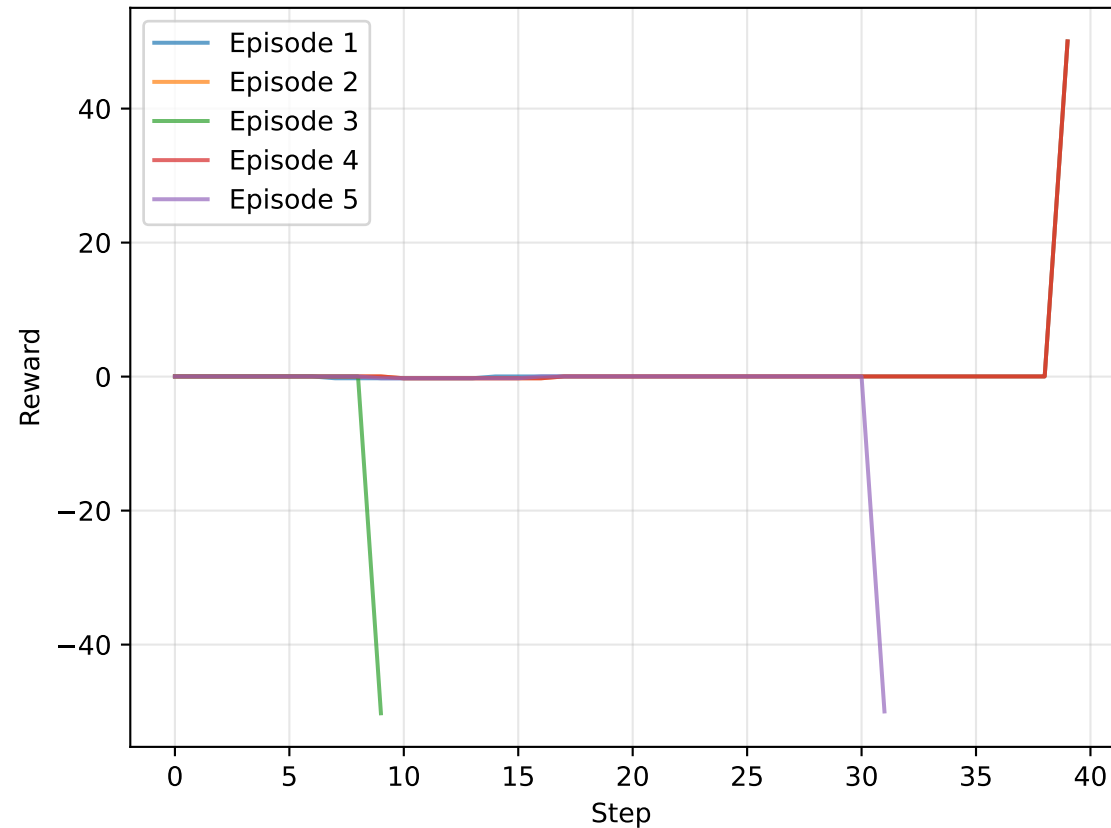


# Evaluation Results - Behavior Analysis

## Speed Distribution



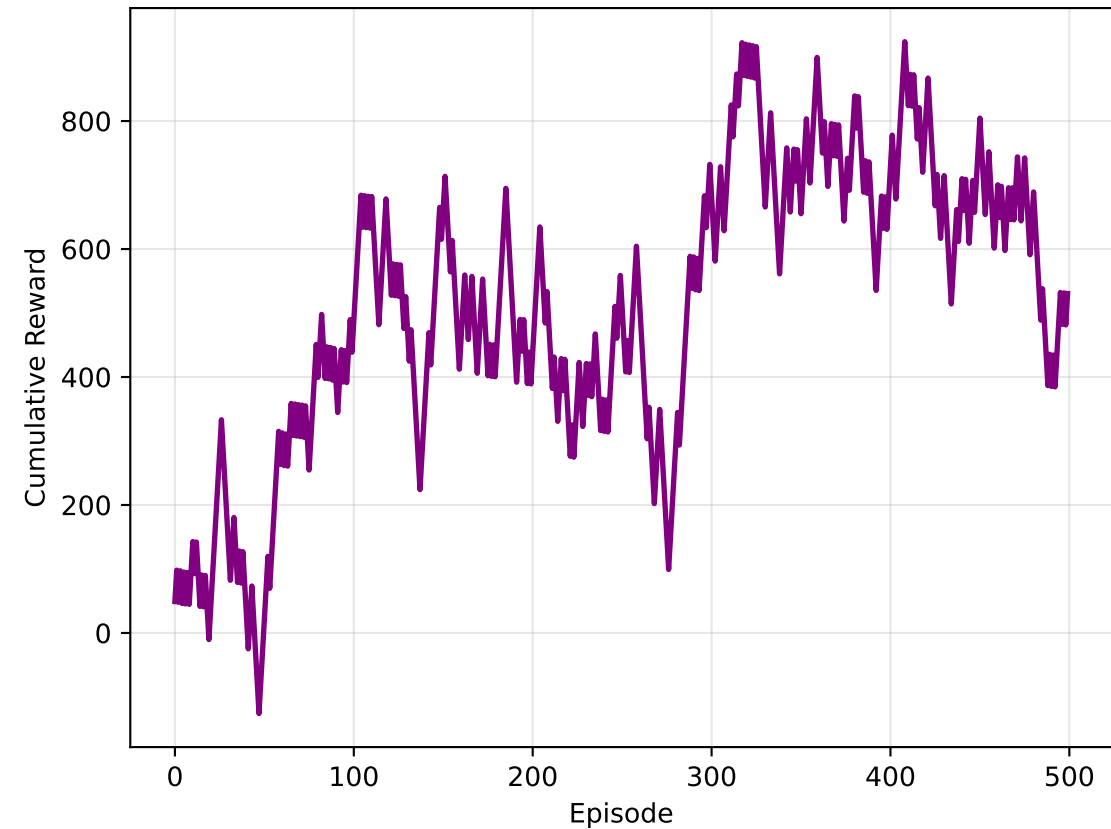
## Reward Trajectories (First 5 Episodes)



## Performance Summary

| Metric         | Value  |
|----------------|--------|
| Mean Reward    | 1.06   |
| Success Rate   | 51.60% |
| Collision Rate | 48.40% |
| Mean Speed     | 20.40  |
| Mean Length    | 26.5   |
| Lane Changes   | 398    |

## Cumulative Reward over Episodes



# Performance Test: Mean Episodic Return Distribution

st Results (Deterministic Policy, 500 Episodes)

