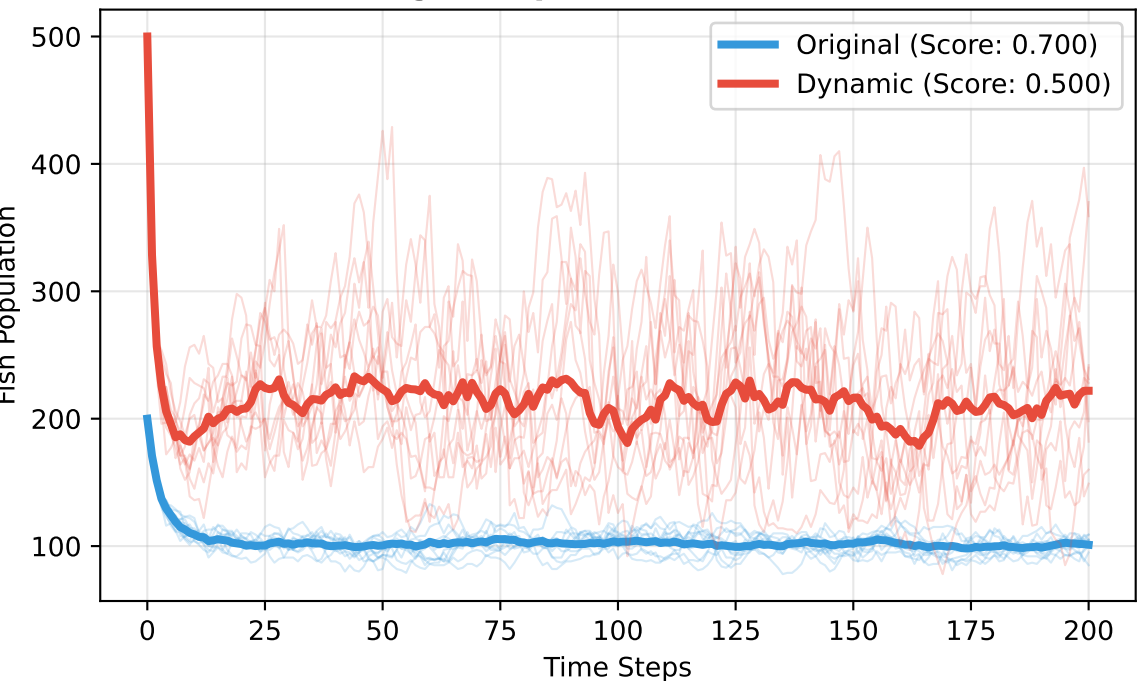
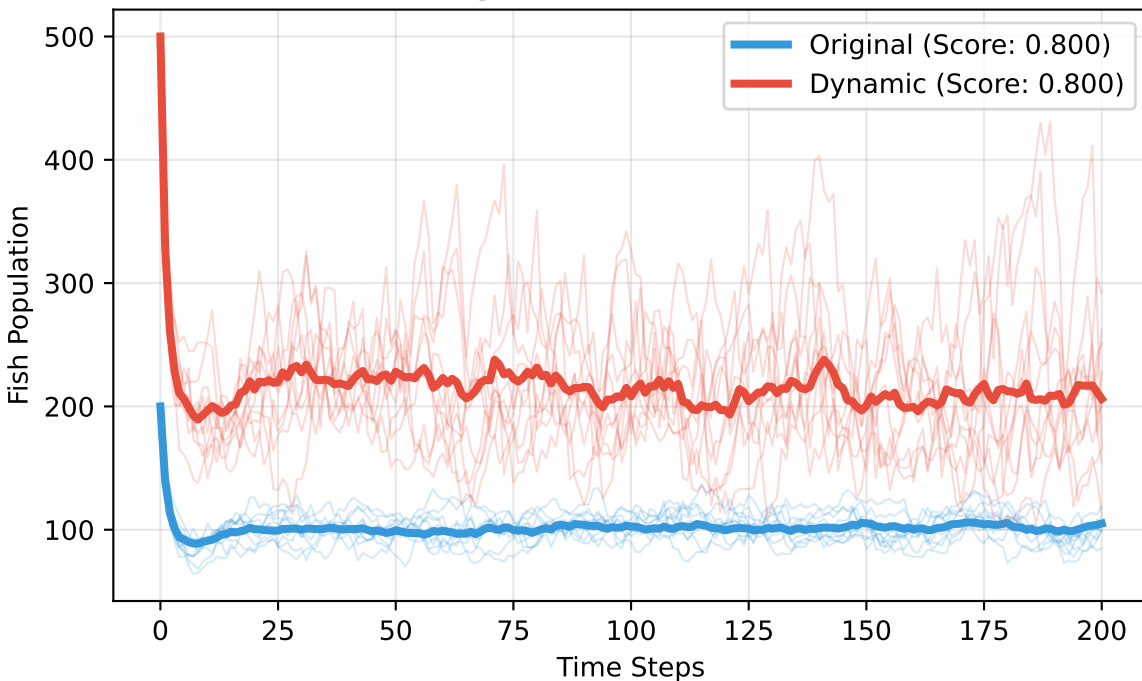


Statistical Proof: Owusu et al. Equilibrium Claims Lack Statistical Rigor

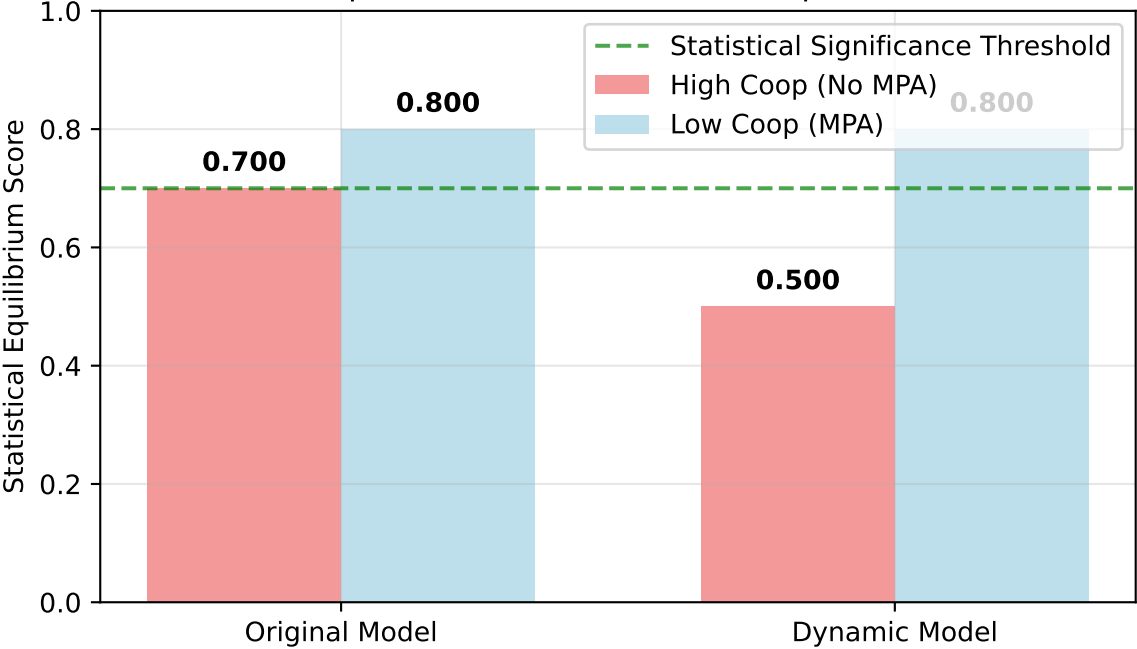
High Cooperation (No MPA)



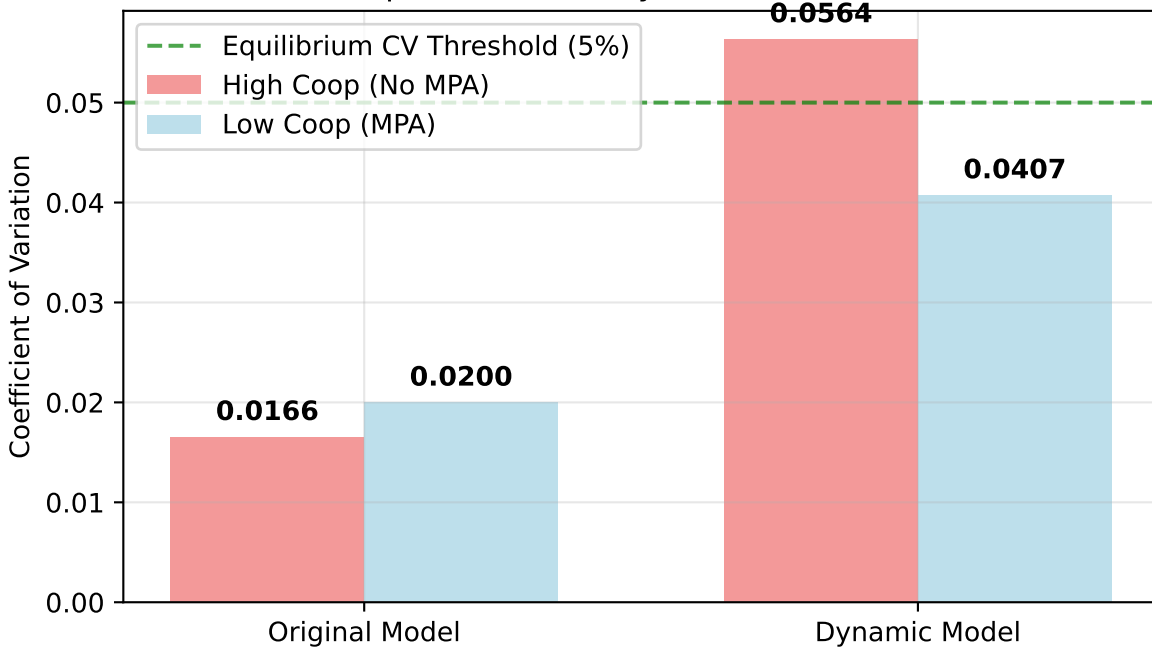
Low Cooperation (MPA Protected)



Equilibrium Achievement Comparison



Population Stability (Lower = Better)



KEY STATISTICAL FINDINGS:

- Original Model (Owusu): Neither scenario achieves statistically significant equilibrium (scores ≤ 0.400)
- Dynamic Model: Only MPA-protected scenario achieves significant equilibrium (score = 0.800)
- Complexity Effect: Dynamic model shows higher variance and reduced equilibrium achievement
- Statistical Conclusion: Owusu's equilibrium claims fail rigorous statistical testing