Self-Reference Benefits from k≥3: Geometric and Computational Illustration
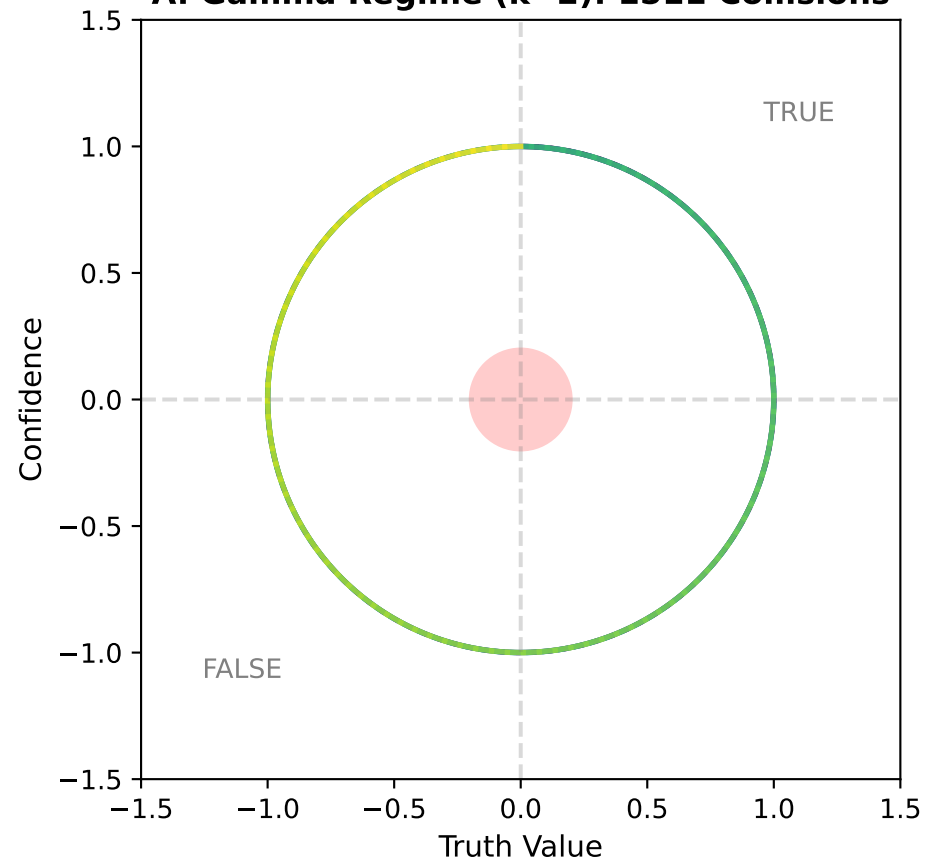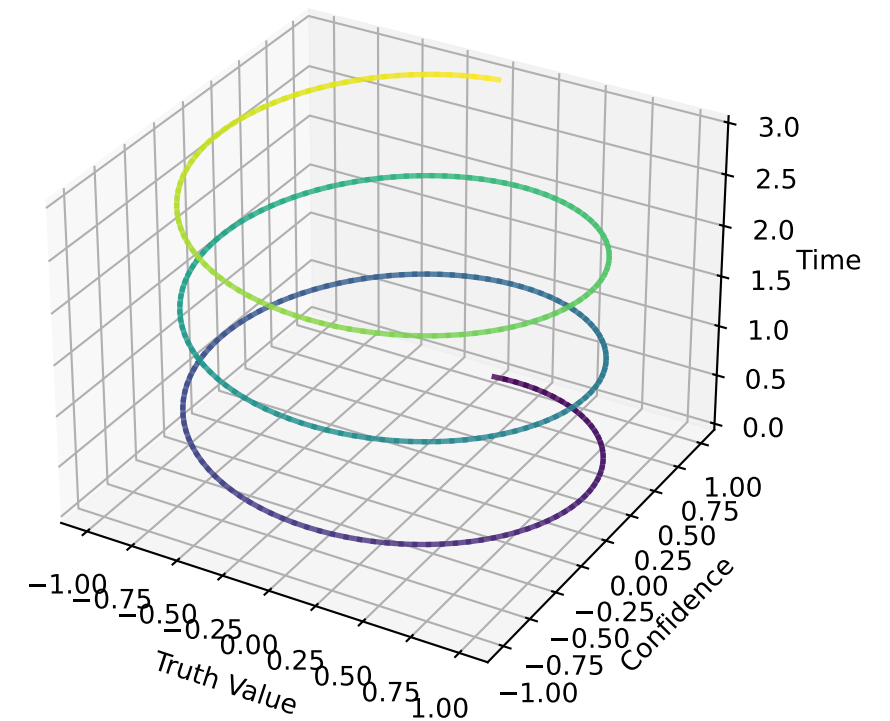
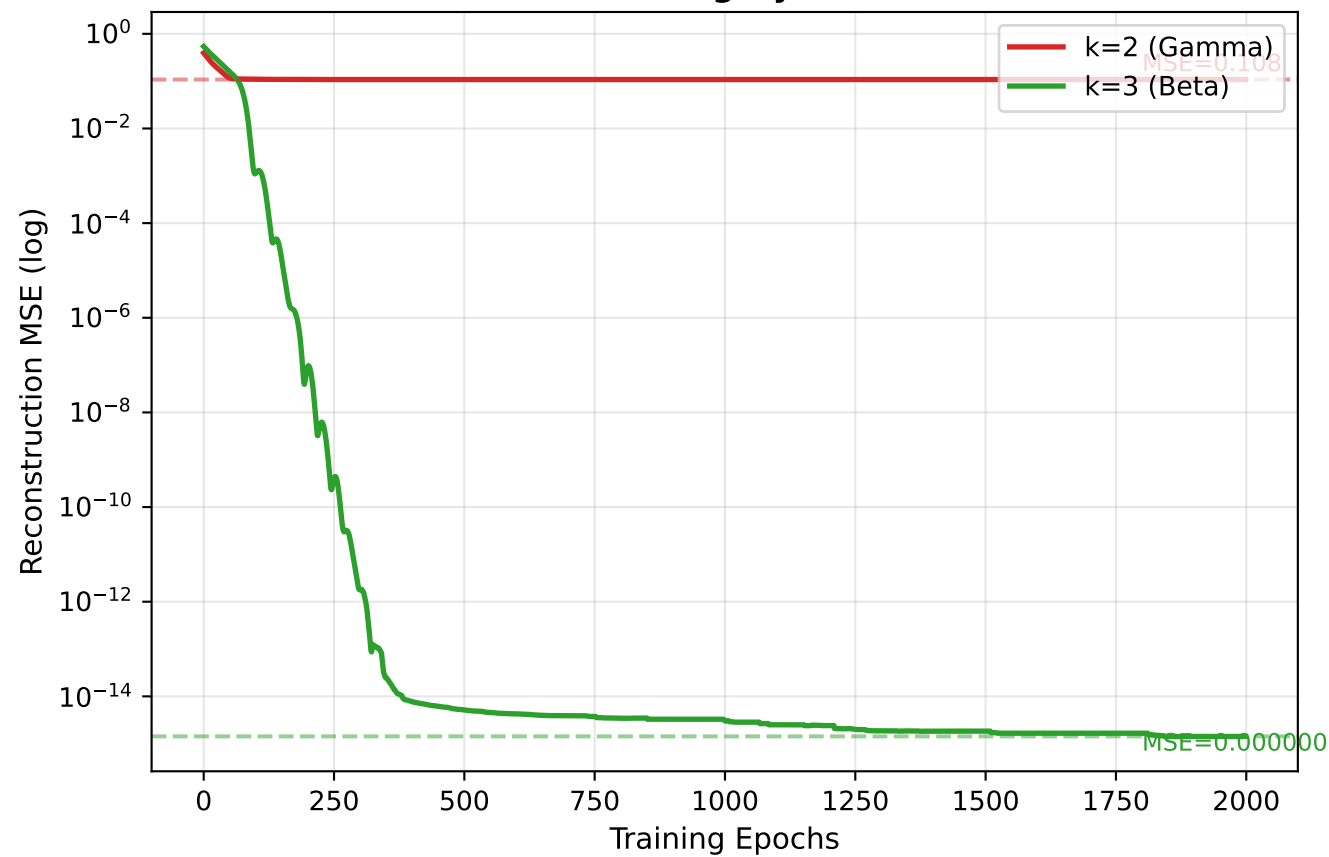**A. Gamma Regime (k=2): 1511 Collisions**

B. Beta Regime (k=3): 0 Collisions

C. Learning Dynamics

D. Time Dimension Reconstruction