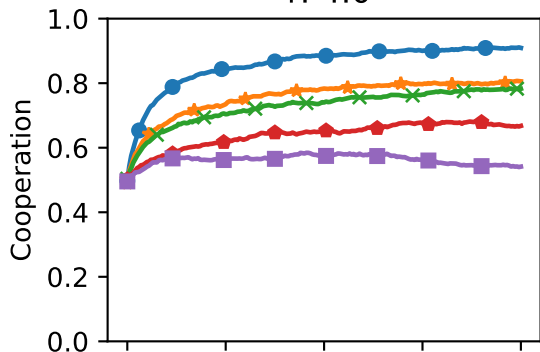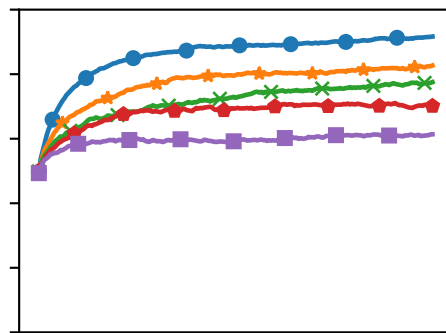Varying Mean Degree, BA model, Replicator Dynamics