





01 Background

Hotelling–Downs: Two office-seeking candidates will adopt the policy of the median voter

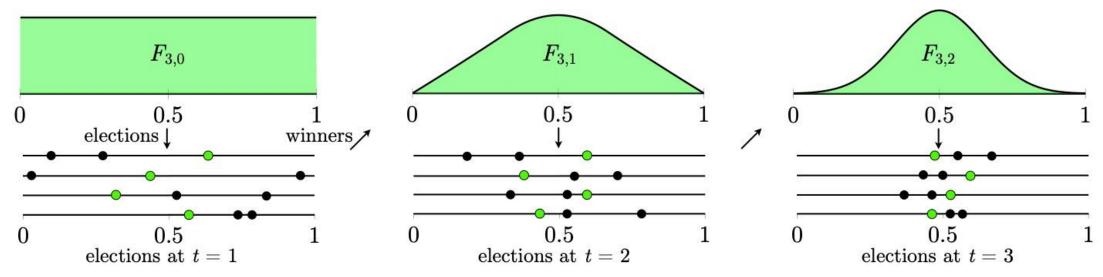
Duverger's Law: empirical finding that plurality leads to two-party systems.

Plurality Elections: each voter casts one vote, the candidate with the most votes wins

1-Euclidean Preferences: voters and candidates occupy points in the unit interval [0, 1]; voters prefer closer candidates.

How do the policies of boundedly rational candidates evolve over time?

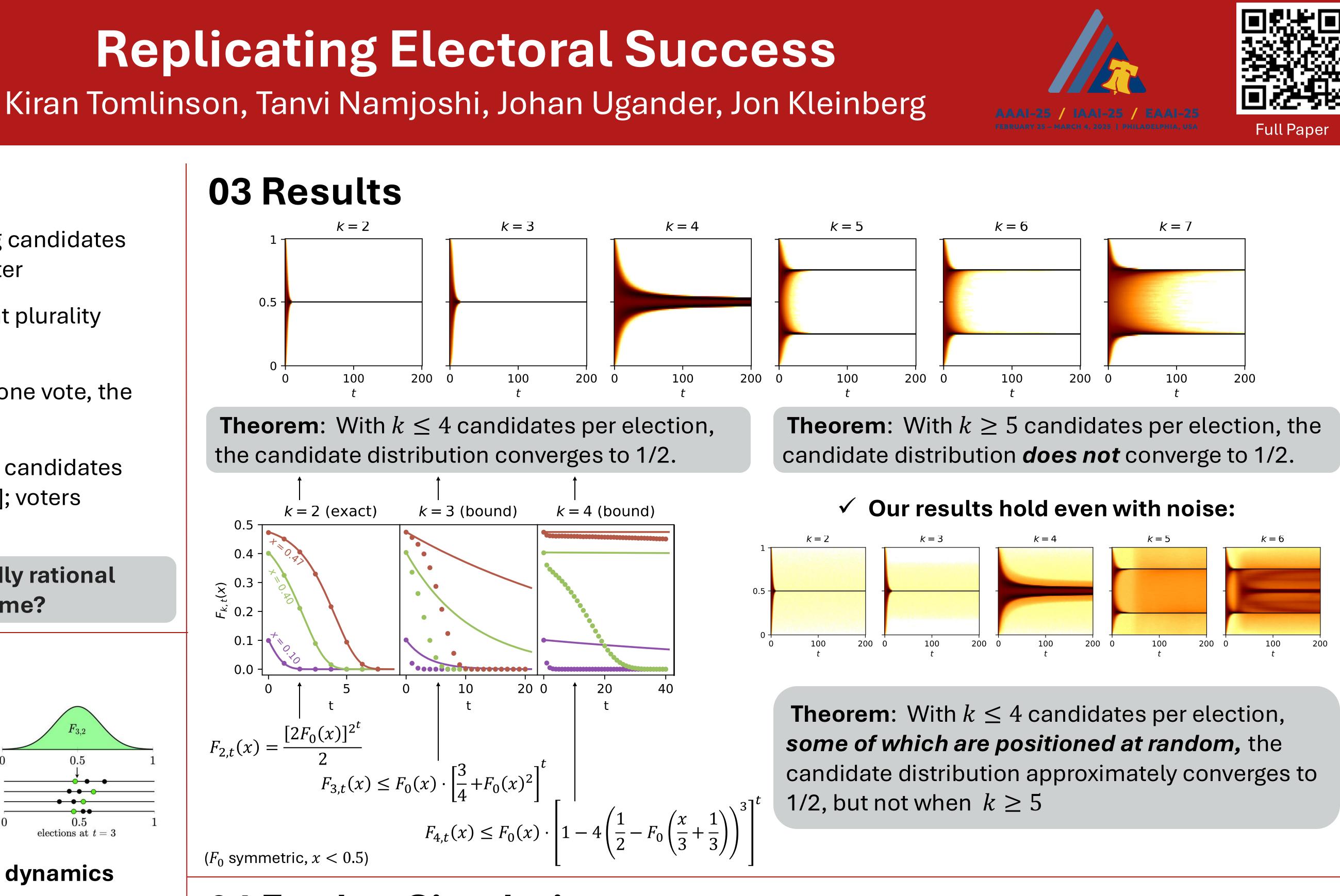
02 Overview

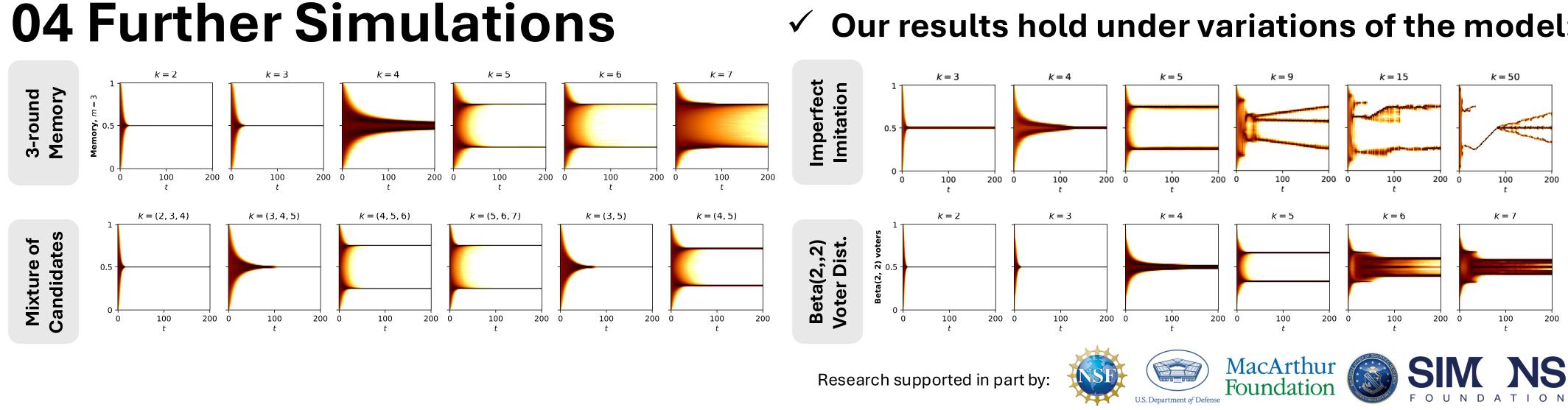


Our Model = evolutionary replicator dynamics

- Population of k-candidate plurality elections proceeding in rounds
- Candidates copy an electorally successful \checkmark policy from the previous round
- ✓ For theory: uniformly distributed voters

With few-candidate elections, policies converge to the center; with many candidates, they do not.





✓ Our results hold under variations of the model: