

Voter models in the age of Facebook, iPads, and Sarah Palin

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We will discuss recent and ongoing work on voter models on complex networks. We will begin with what is known about the traditional voter model on random graphs. We will then consider a latent voter model in which voters enter an inactive state for a while after they change their opinion. The third topic is an evolving voter model where if you disagree with your neighbor then with probability α you break your connection to them and choose a new friend at random from the network (or in a second version from those with the same opinion). Simulations show that the system has interesting behavior but proofs remain elusive.