- Since each starling is unique, the values of 'too far', 'too near', 'how fast I can fly' are all unique. Thus, each bird figures it out for themselves
- Feedback from every neighbouring bird affects each bird's interpretation of where to fly
- The emergent characteristics of the flock are generated from these local interactions. No one bird is the leader, no one bird decides what should happen next.

Agent based modelling vs other kinds of modelling

 One could derive a single equation, maybe, that could capture a lot of the dynamics of social systems. Here, a gravity model from retail economics is used to predict the emergence of Greek city-states



