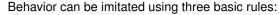
## Inverse Reinforcement Learning of Flocking Behaviour



Bird flocking illustrates the power of swarm intelligence:

- rapid reaction and synchronization
- without complex decision making or communication



► nearby repulsion, distant attraction and alignment But there is more to it! (e.g. hierarchies)

We want to employ IRL in order to

- learn reward function on real data (summer term)
- imitate behaviour on our Kilobot swarm (winter term)





November 2, 2015 | 1