Al in Low Resource Communities

MILIND TAMBE

Founding Co-director, Center for Artificial Intelligence in Society(CAIS)

University of Southern California

tambe@usc.edu

Co-Founder, Avata Intelligence

USC Center for Artificial Intelligence in Society (CAIS.USC.EDU)



USC Center for Artificial Intelligence in Society



Overview of CAIS Project Areas

Al for Assisting Low Resource Communities









Al for Public Safety and Security









- Social networks: Spread HIV information
- Maximize influence under uncertainty
- Real-world pilot tests: Big improvements
- Game theory: security optimization
- Solve mas

Real-world



Overview of CAIS Project Areas

Al for Protecting Endangered Wildlife





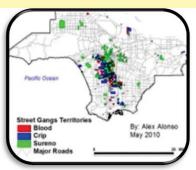




- Machine learning/planning: Anti poaching
- Scale, boundedly rational poachers,...
- Real-world: Uganda, South Asia...

Veteran mental health, Gangs, Climate Change









- Social networks, agent-based sims,...
- Behavioral models...
- Real-world: Research in progress

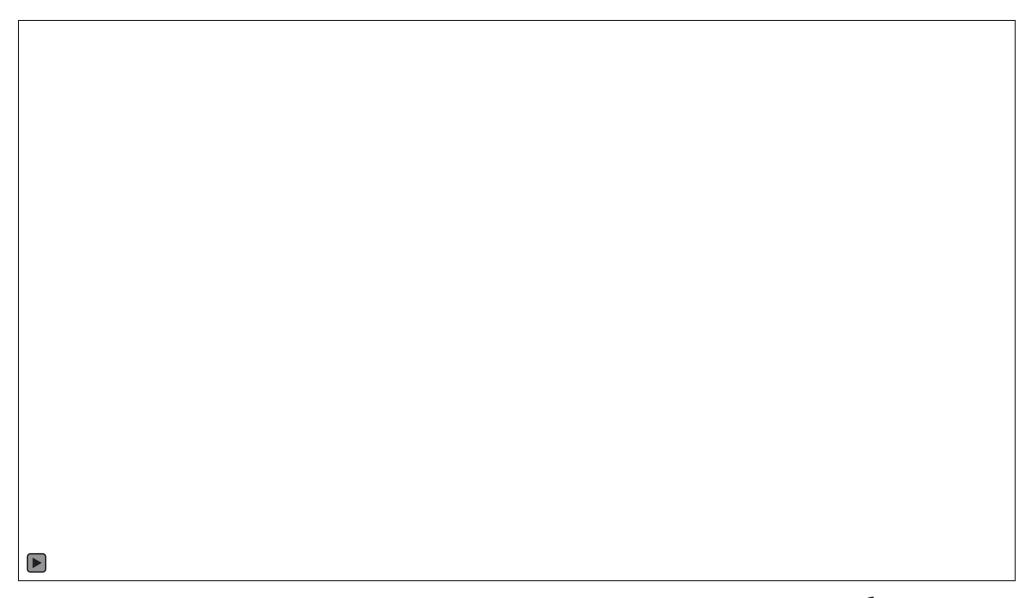
Outline

Introduction

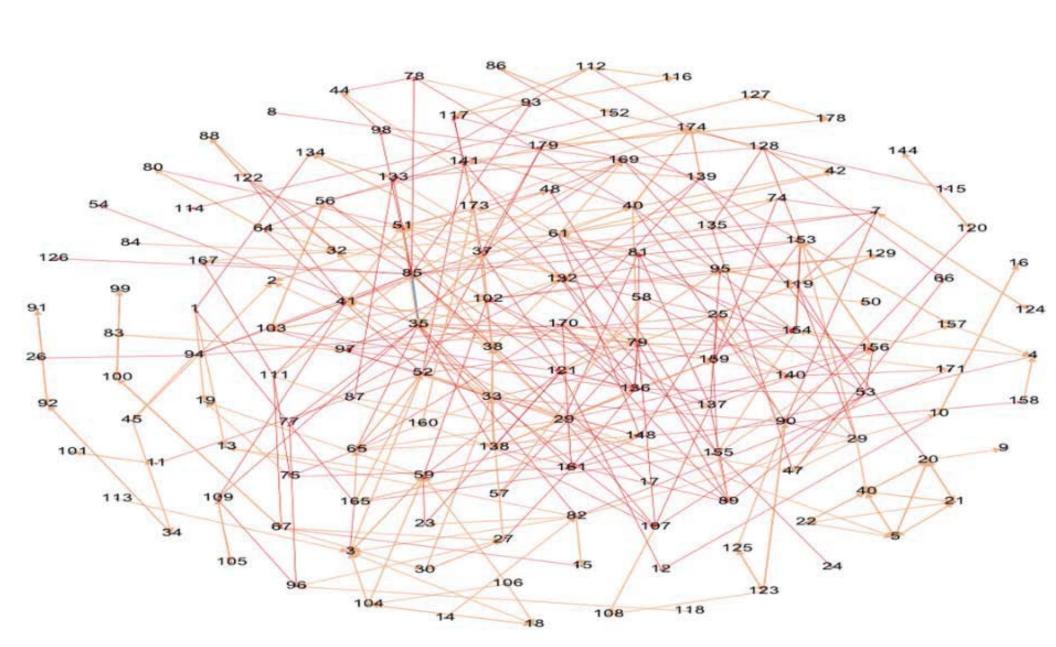
HIV Information among homeless youth

Wildlife Conservation

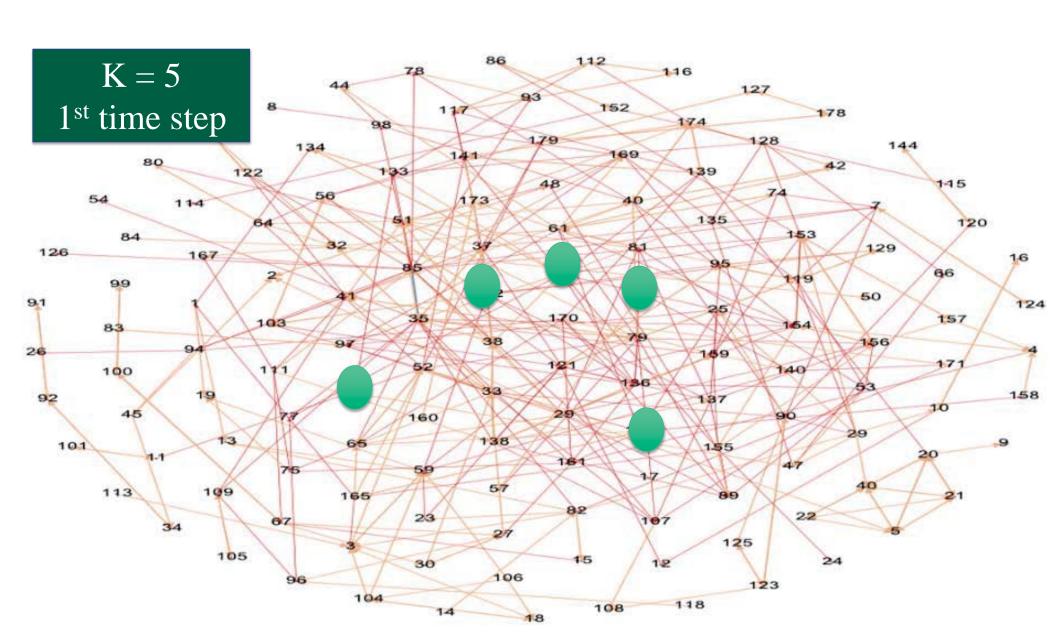
Al Program: HEALER



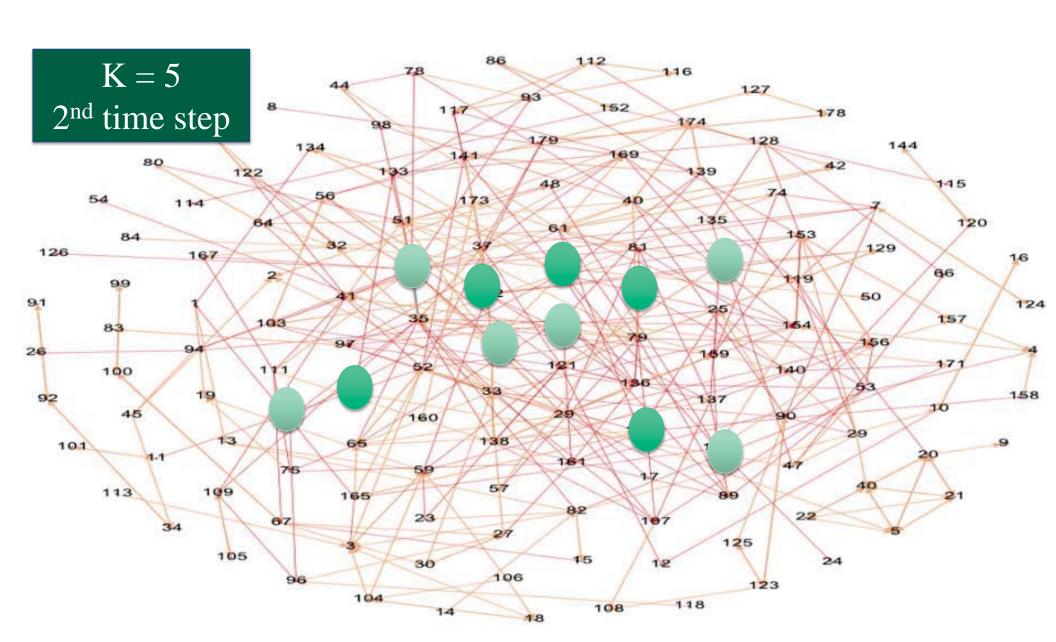
HIV Prevention Programs: Using Social Networks to Spread HIV Information



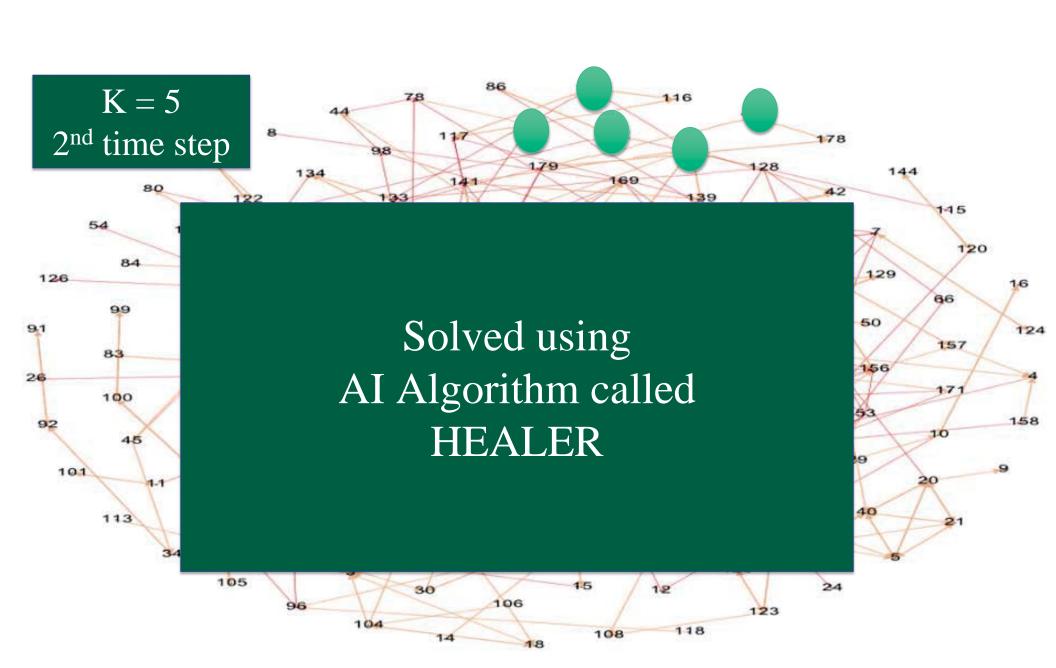
Challenge: Adaptive selection in Uncertain Network



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Real Networks - Solution Quality

