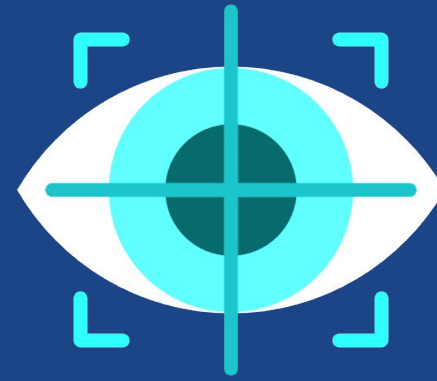# Terrorism Detection and Intervention on Social Media Using Machine Learning

HCI@WVU

Introduction

Social media and online communities have become increasingly popular. Nevertheless, these online spaces also invite undesirable behavior.

Over the past couple of years they have also served as platforms of choice for terrorist organisations looking to radicalise young individuals from the safety of their hideouts.

Methods

-For detection of potential terrorists we use machine learning techniques.

-For organizing citizens and develop intervention strategies we use crowdsourcing techniques

Purpose

No one is currently reaching out to those potential terrorists except those who would recruit them. We want to step into that void and compete with that kind of attention and outreach to individuals who are often very lost, very angry and engage with them.
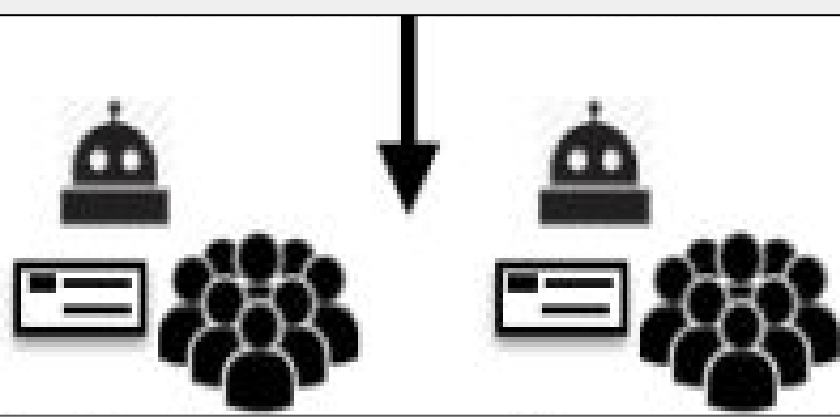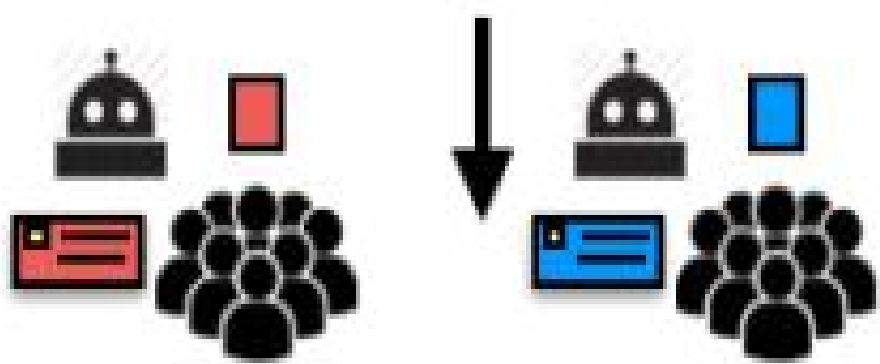
In order to detect potential terrorist accounts and deploy intervention strategies we are creating a system that recruits real-life experts to engage with potential terrorists before they become violent.
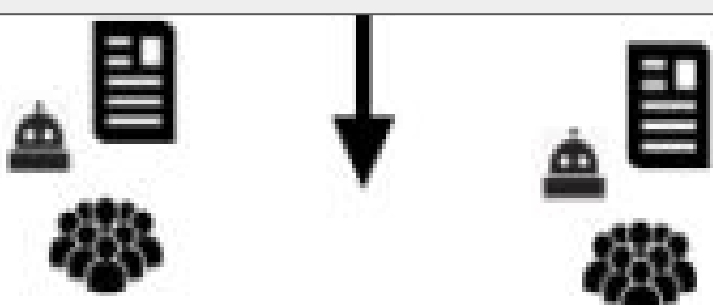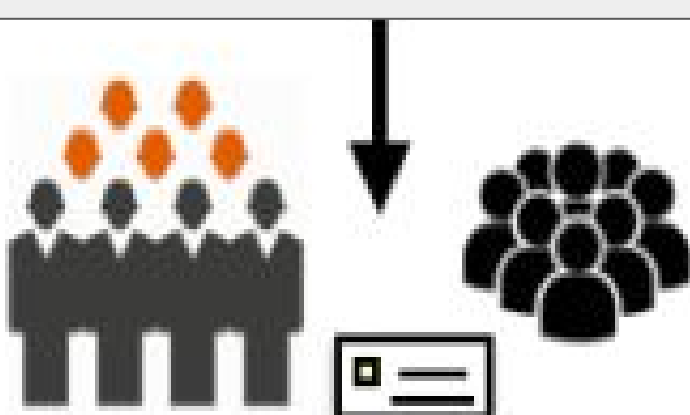

Terrorist detection need

Bots get messages from social media

Bots classify users according to the language they use using machine learning techniques
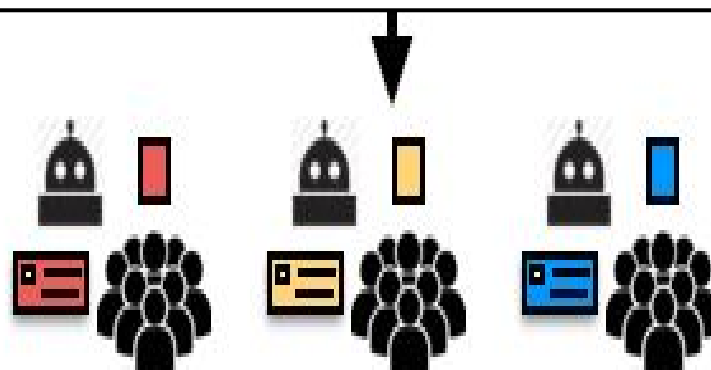
Bots recruit citizens to deploy intervention strategies using crowdsourcing techniques
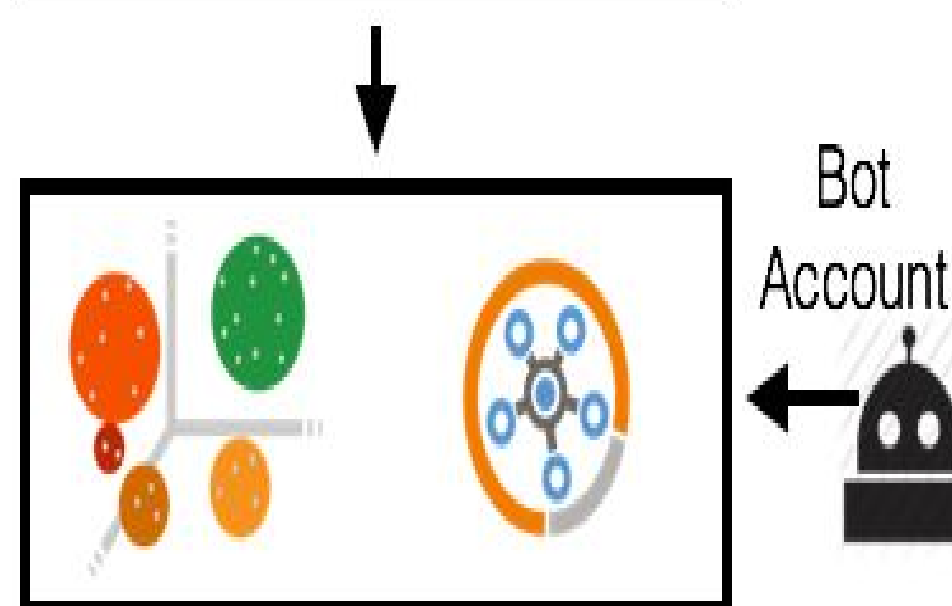
Bots and citizens organize and send the deploy intervention strategies against terrorist
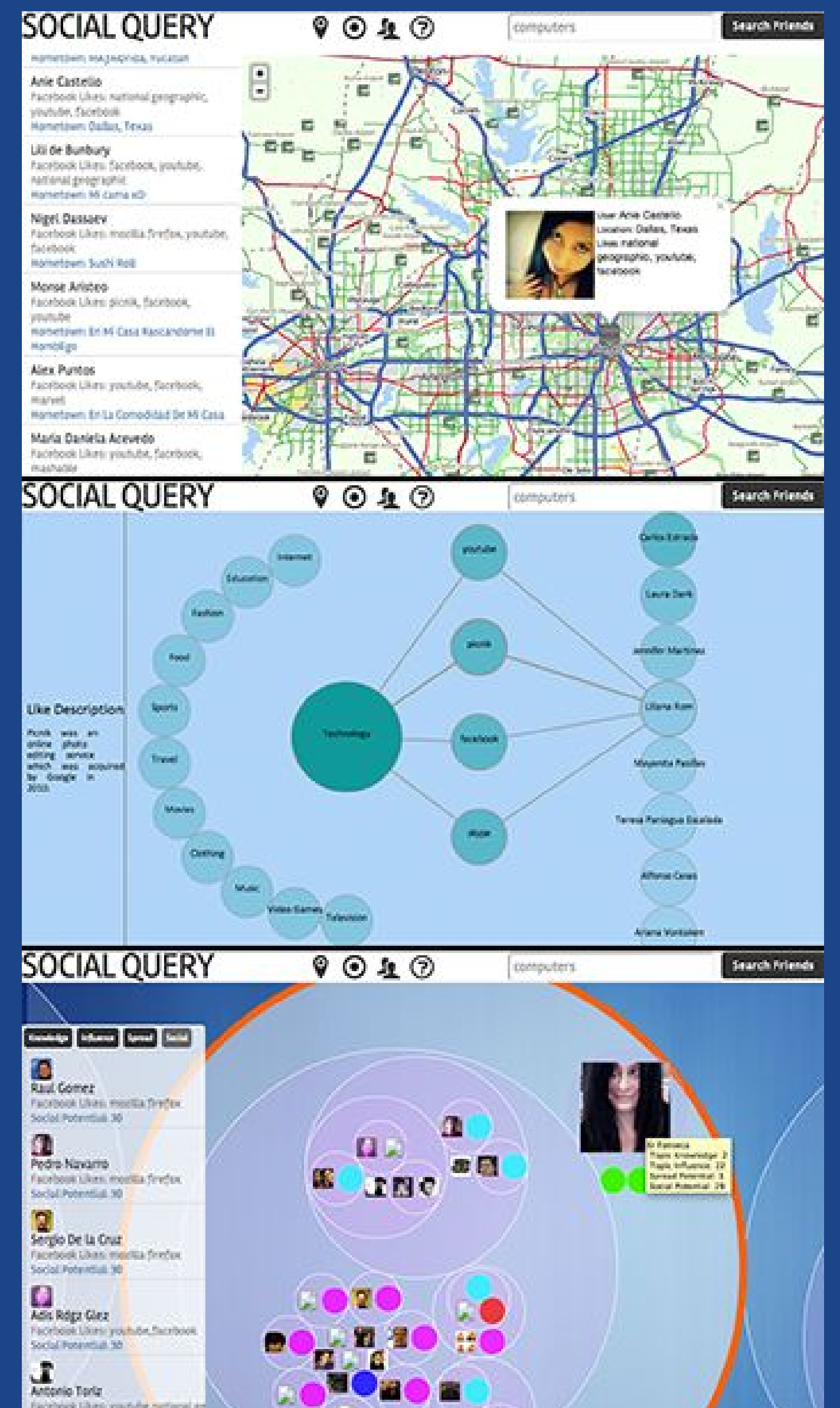

Intervention strategies

Bots recruit human citizens and initiate collaboration with them

Diversity + Stalling Detection Algorithms

Bot Account

Data visualization of citizens and their work

Researchers:

- **Claudia Flores Saviaga,**
- **Caroline Anderson,**
- **Dr. Savage**