

Community-scale Online Network Analysis of Social Data Streams



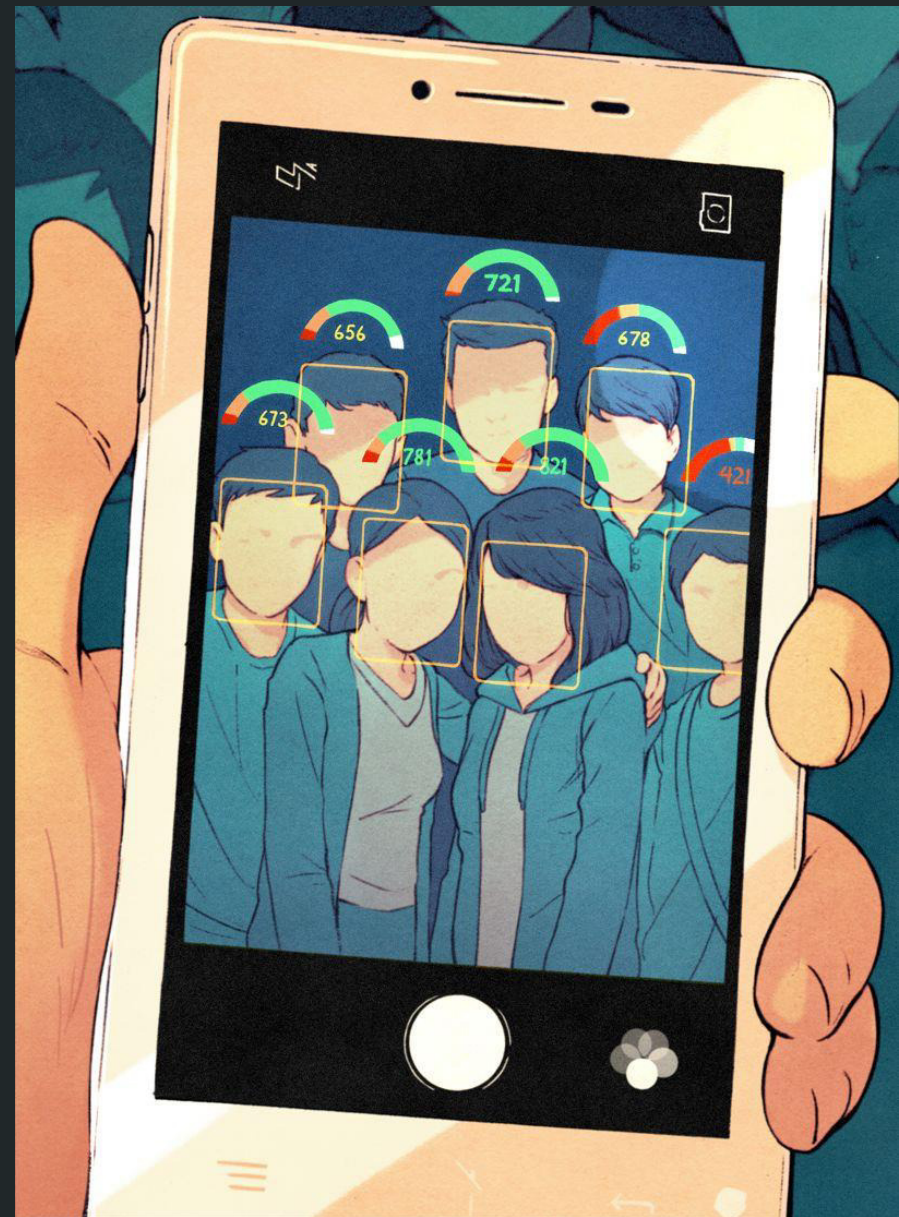
Ammar Raşid

Assoc Prof. Ahmet Bulut

Outline

- Introduction & Motivation
- Problem Definition
- System Overview
- Current Findings
- Next Goals
- Conclusion

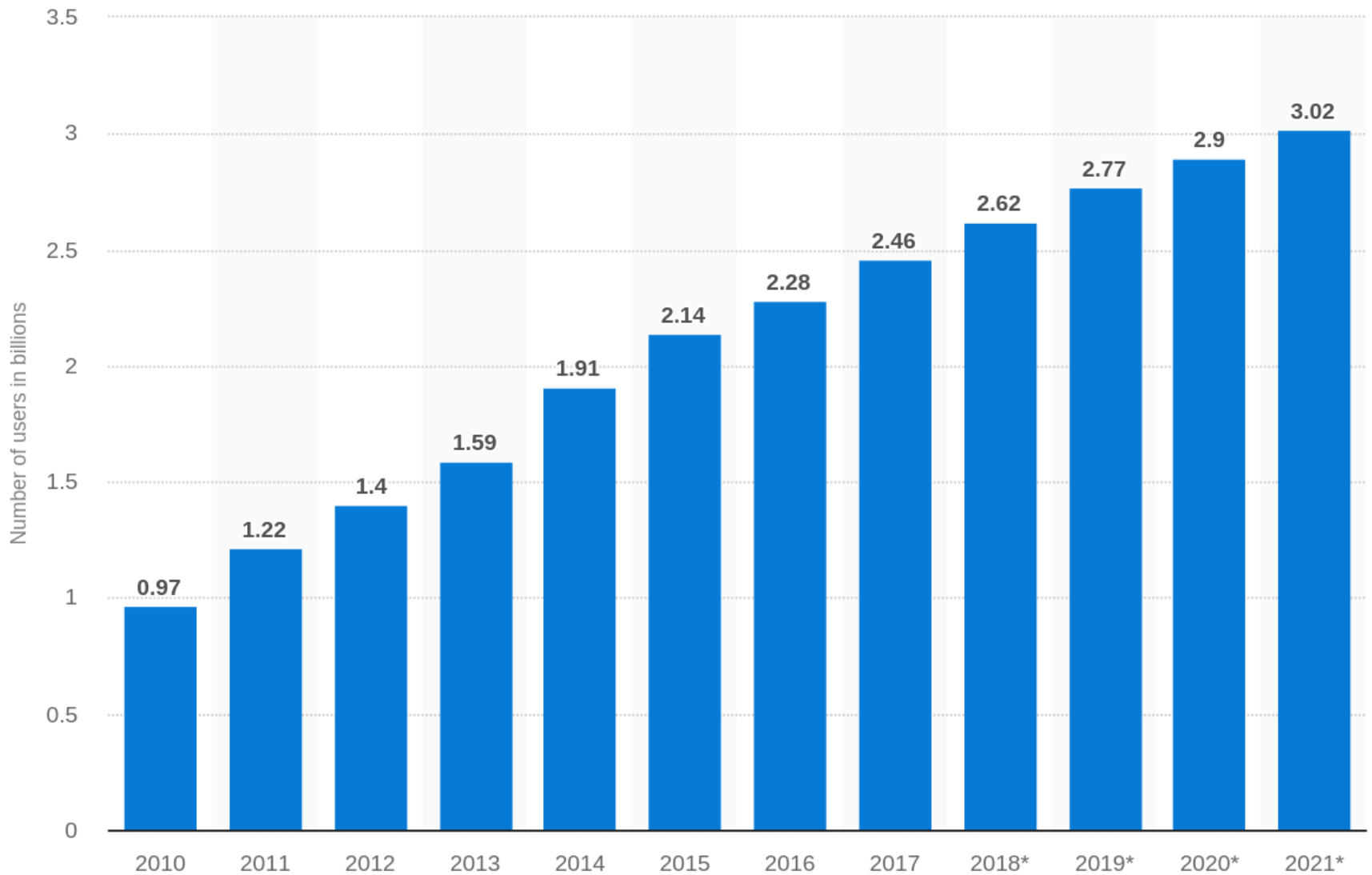
Introduction & Motivation



China's Social Credit system



What is Operational Intelligence?



Increasing Social Media Presence

Problem Definition

Given:

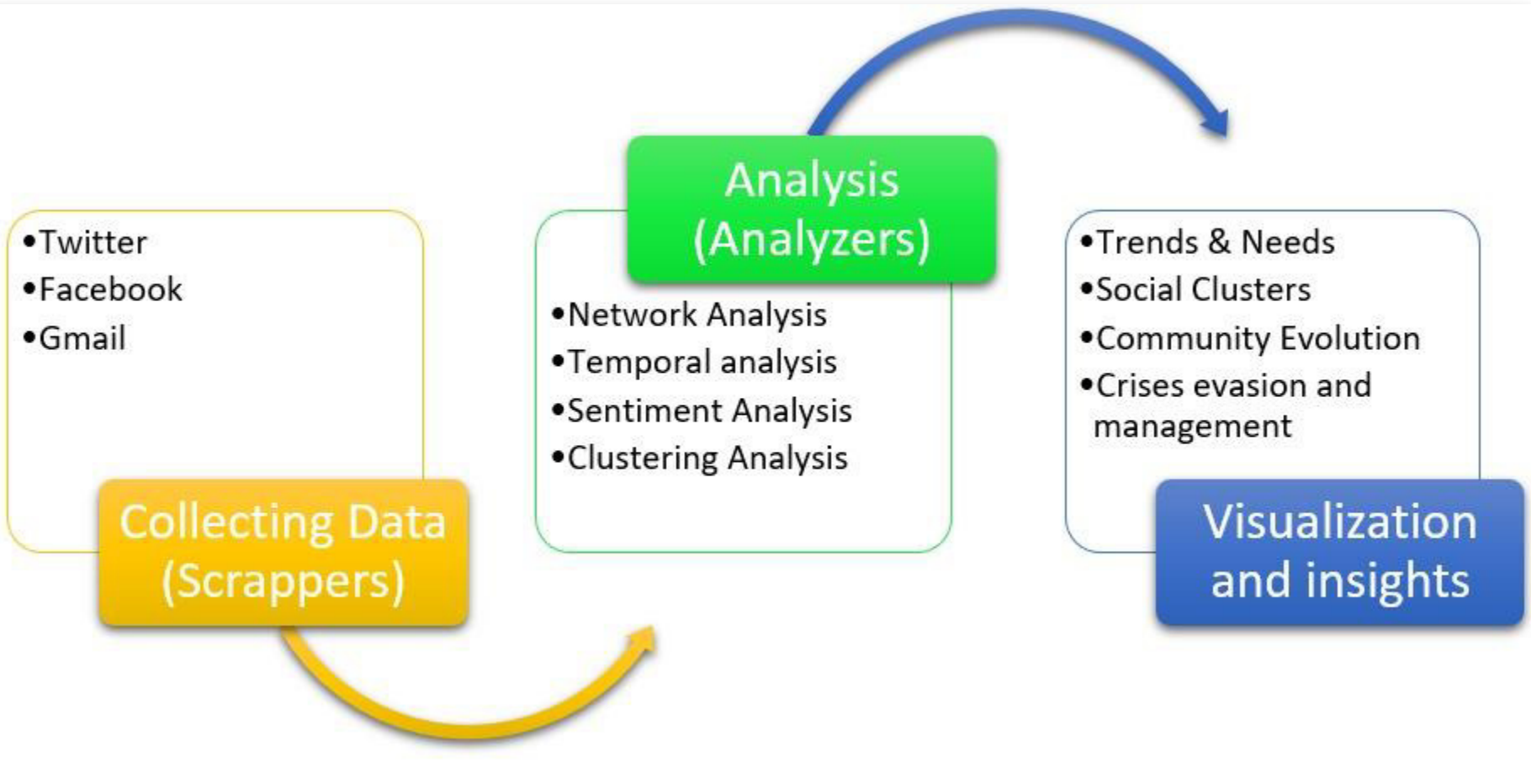


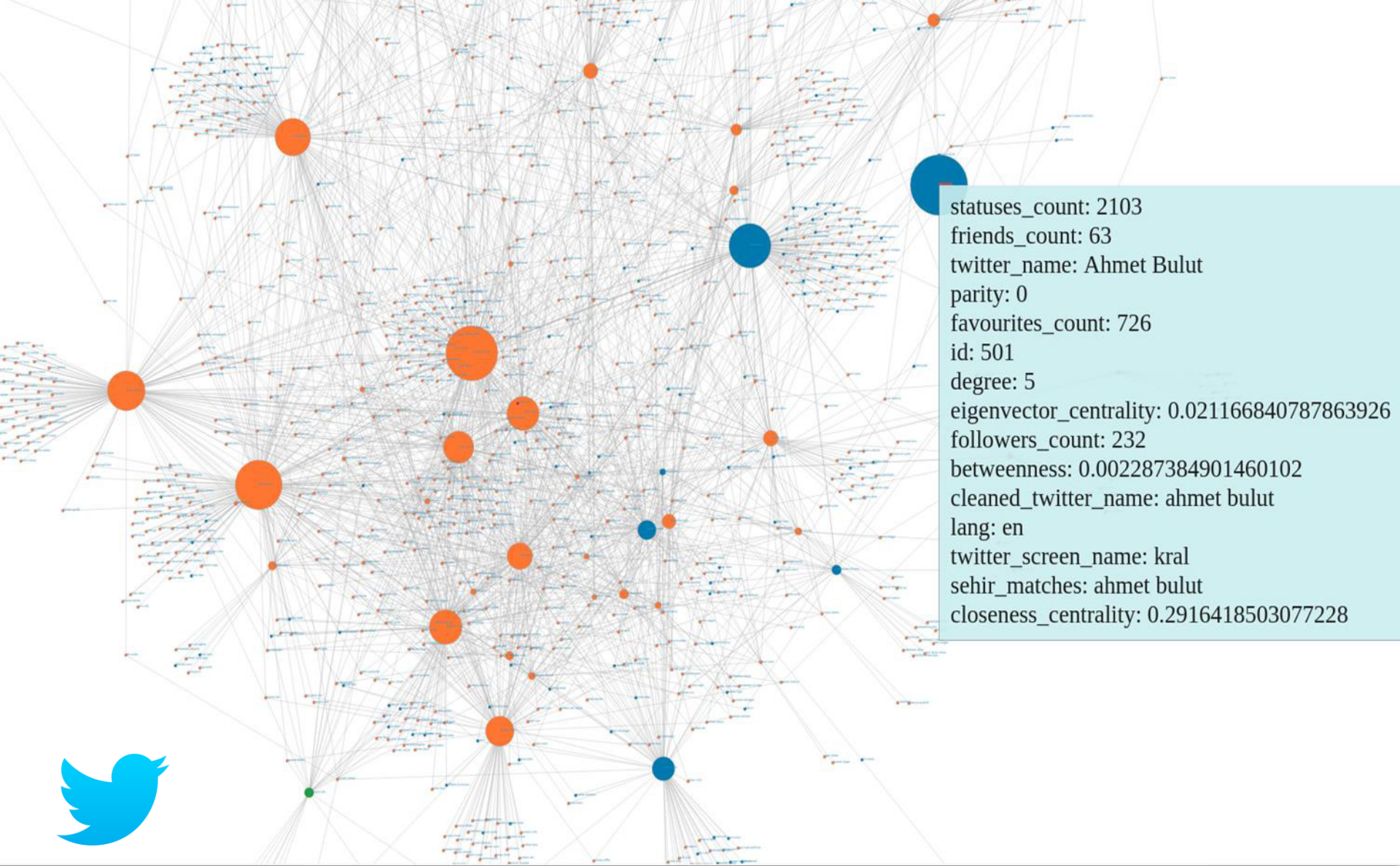
Social data streams

Construct a Network:

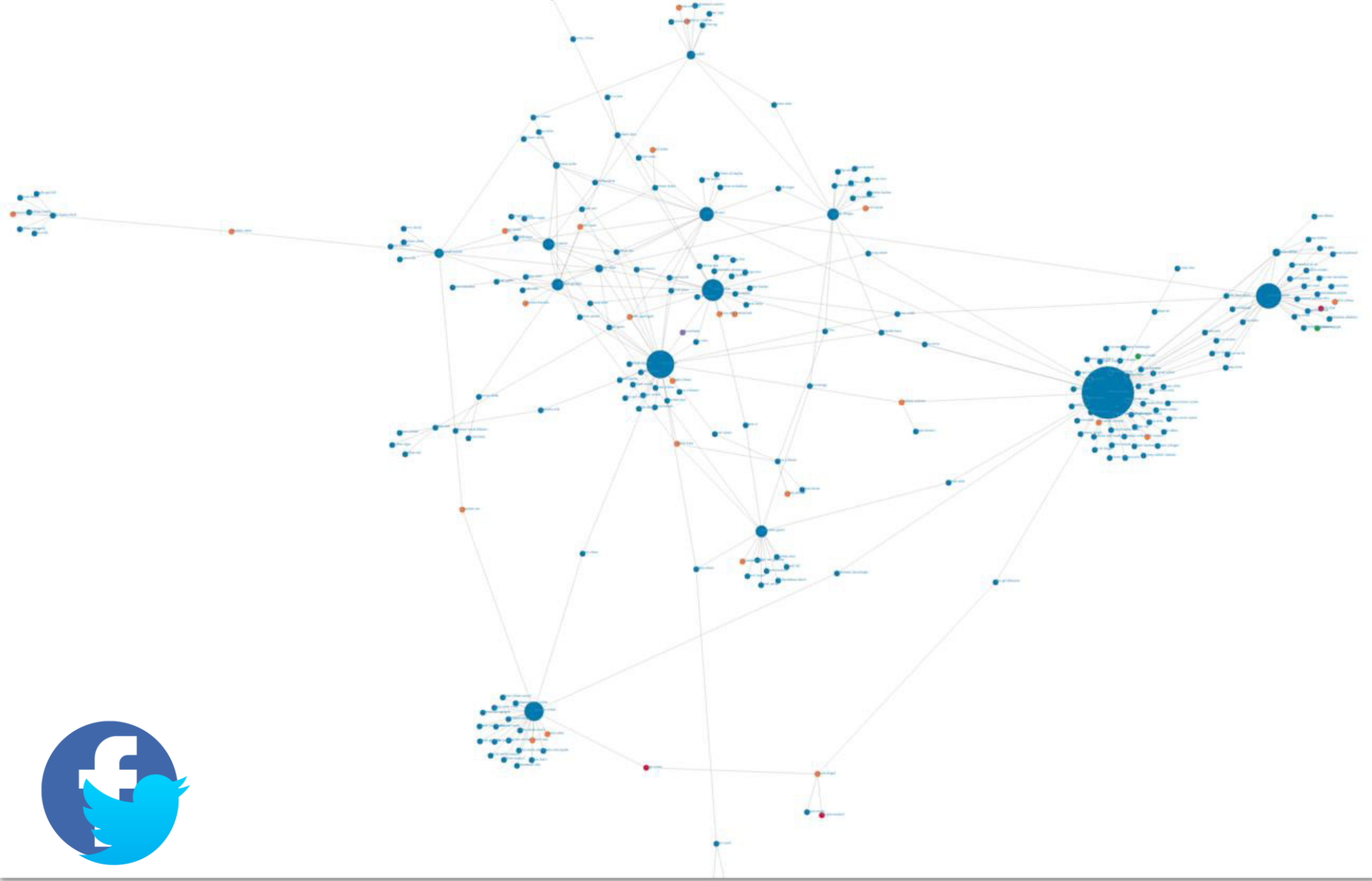
- Chronological
- Contextual
- Smart

System Overview



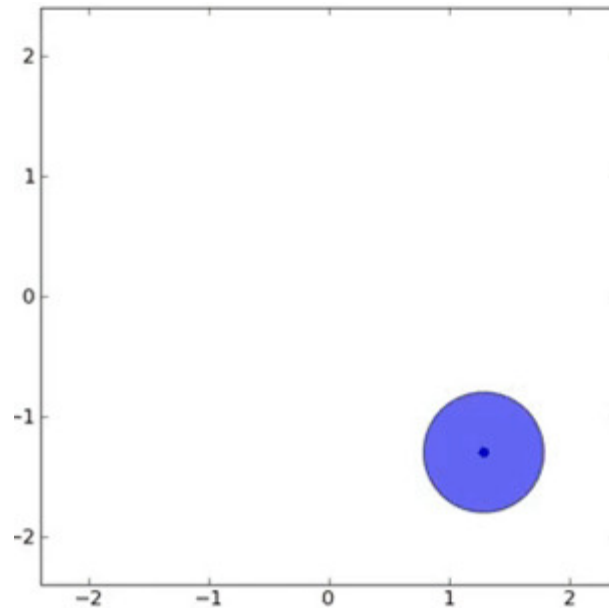


Network Analysis



Network Analysis

Next Goals



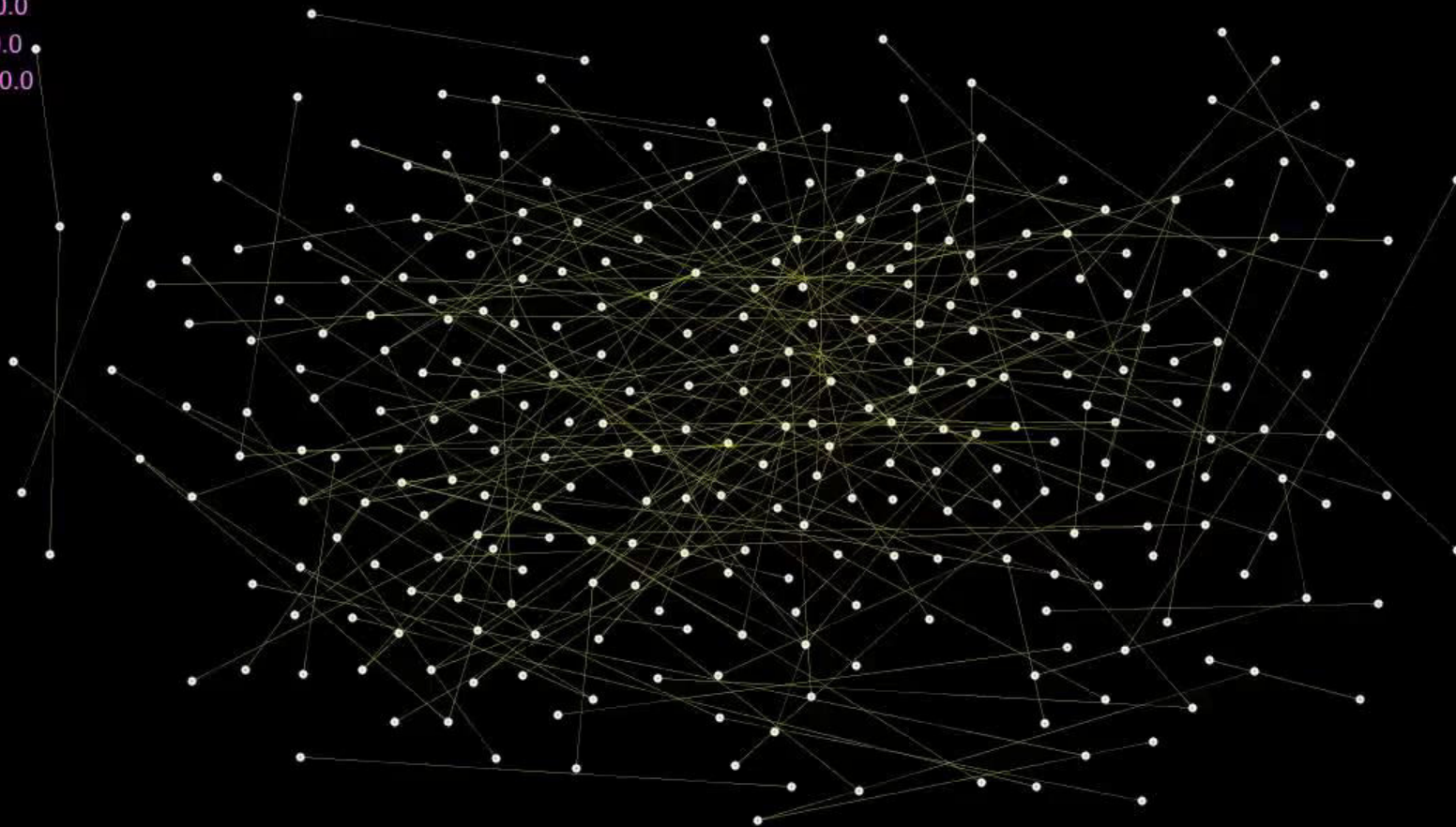
Online Clustering



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$t = 1$
 $\langle k \rangle = 0.0$
 $CC = 0.0$
 $\langle w \rangle = 0.0$



Dynamic Network Analysis