# THE POLITICAL SCIENCE NETWORK

## CONNECTIONS AMONG SCHOLARS AT THE APSA ANNUAL MEETING

Political Networks Conference
McGill University
May 30, 2014

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Georgetown University
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# THE POLITICAL SCIENCE NETWORK

## CONNECTIONS AMONG SCHOLARS AT THE APSA ANNUAL MEETING

1. **The Network**
   APSA conference participation from 2002 to 2013

2. **Communities:**
   What are the communities, and how separated are they?

3. **Centrality:** Who is central in our network? Why?

# MOTIVATION

**Navel gazing:** Who are we?

**Understanding the discipline:** How does our national meeting work? What are the contours of the subfields?

**Check on our methods:** When we use these tools to look at ourselves, do we believe what we find? Should that change how we think about other applications?

# THE DATA

**APSA:** Panel Data for 2002 to 2013

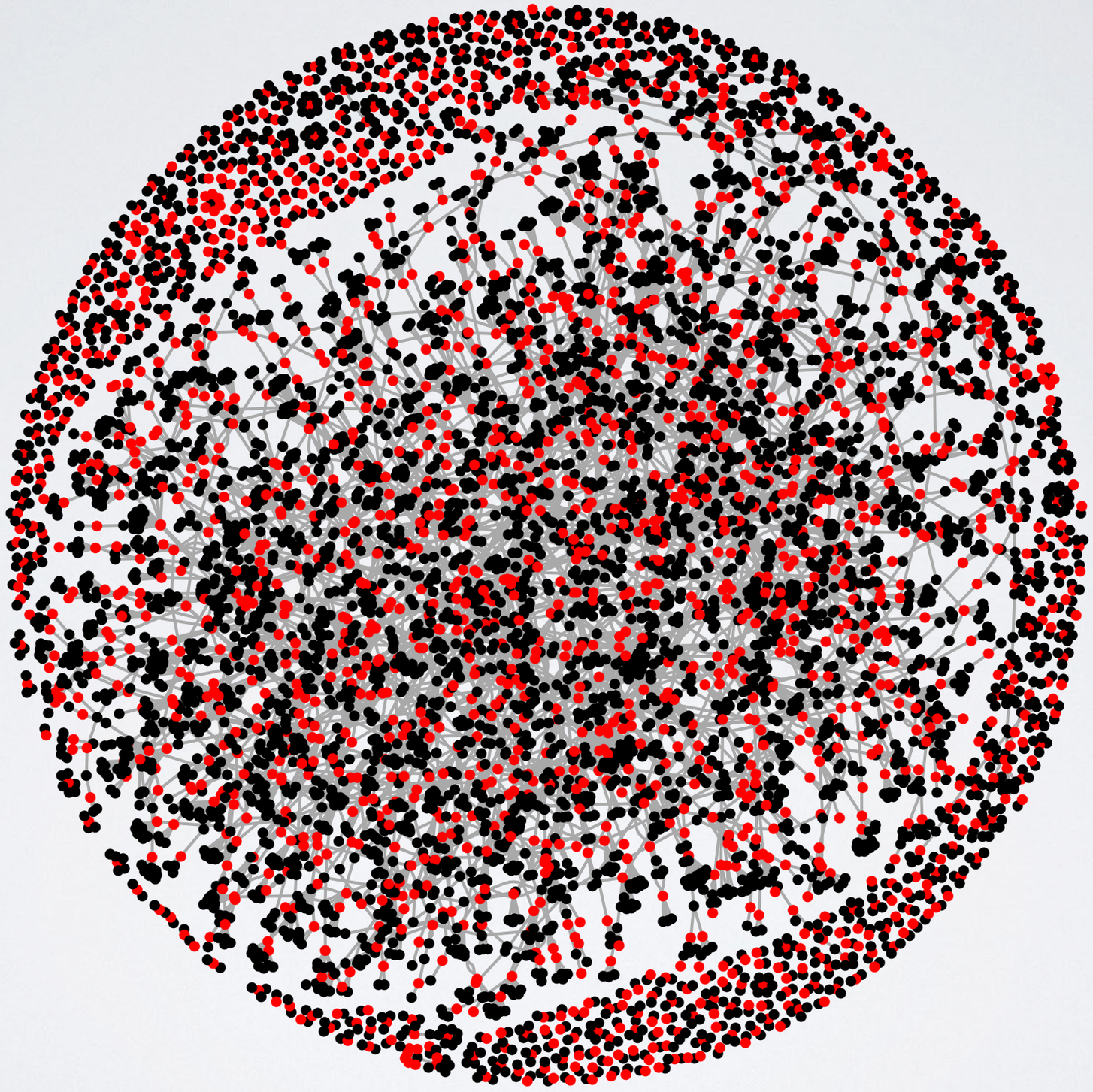
- Every presentation — participants and panels
- 18,722 unique participants
- 10,229 unique panels
- Drop poster sessions, short courses, working groups, business meetings and other non-academic events

**MPSA:** Same for 2010 to 2013

- Yet to be analyzed
- Hold back for verification

Thanks to Steven Smith and Richard Houston at APSA and Will Morgan and Rommel Acebedo at MPSA.

# APSA 2013

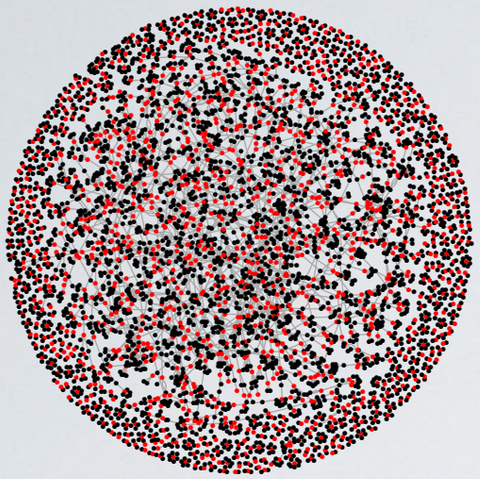


- SCHOLAR
- PANEL

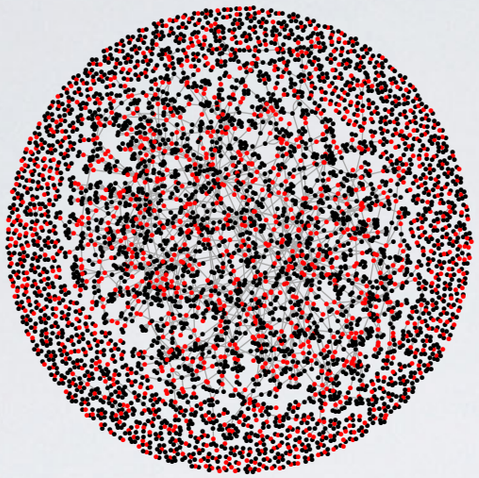
INCLUDES ALL SCHOLARLY PANELS.

DOES NOT INCLUDE WORKING GROUPS, SHORT COURSES, OR BUSINESS MEETINGS

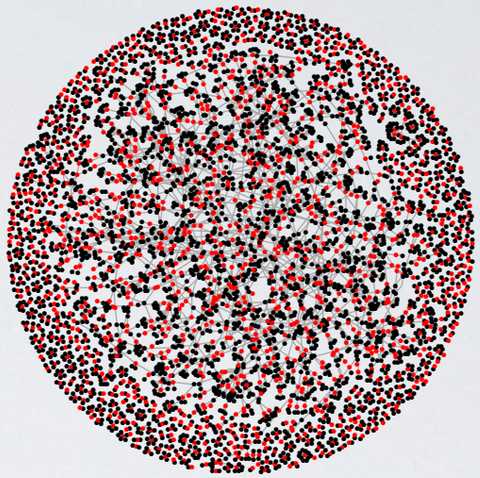
# CONFERENCE NETWORKS



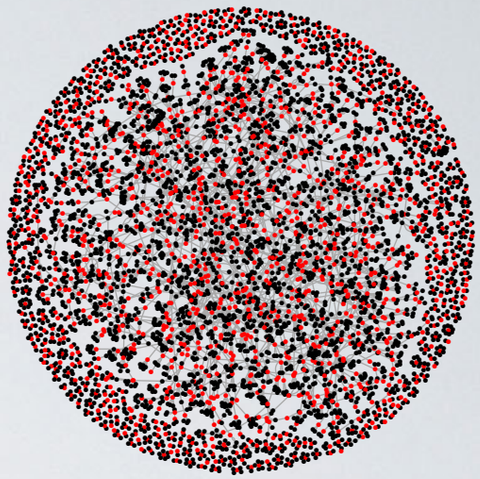
Boston 2002



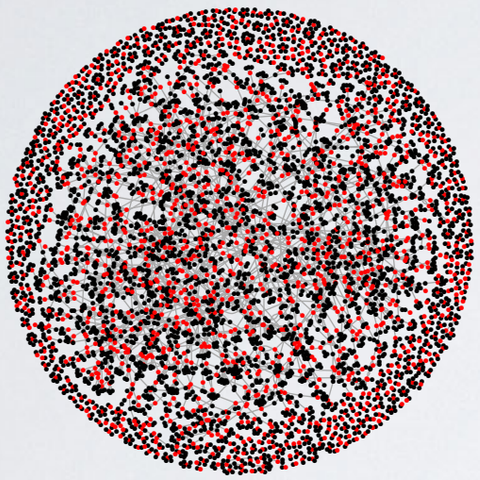
Philadelphia 2003



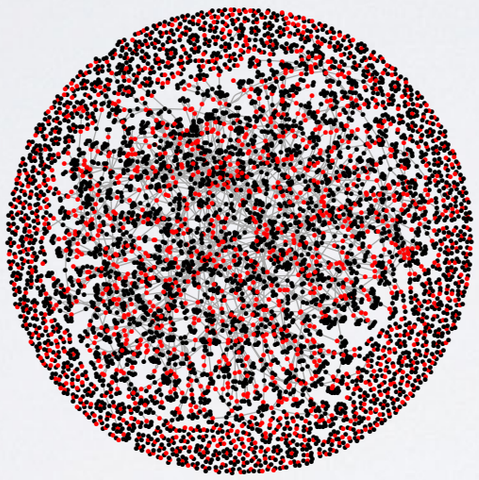
Chicago 2004



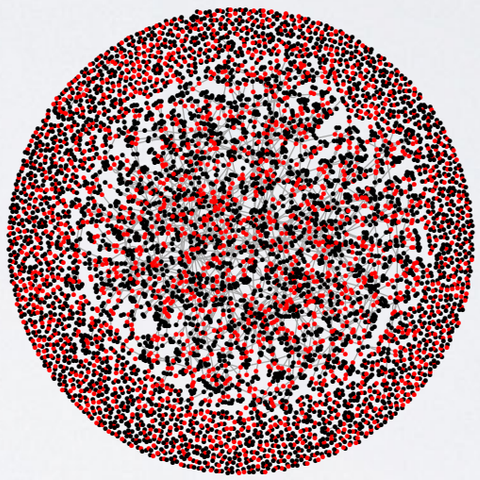
Washington 2005



Philadelphia 2006

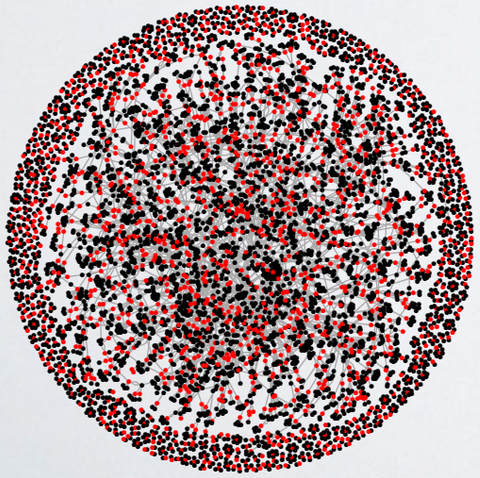


Chicago 2007

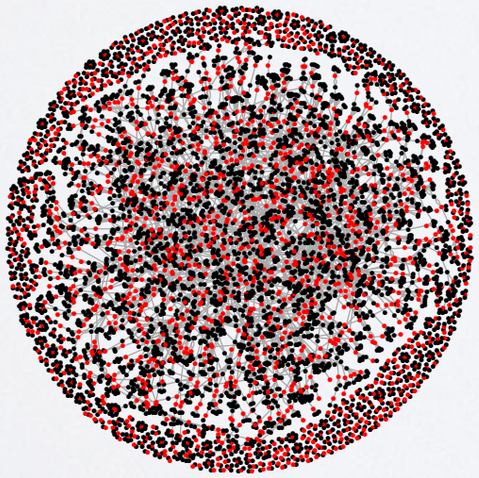


Boston 2008

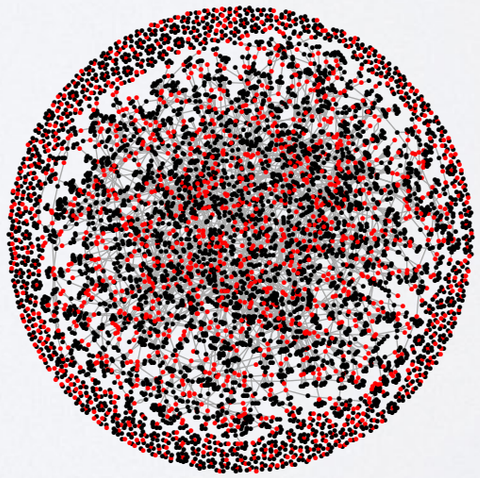
Toronto 2009



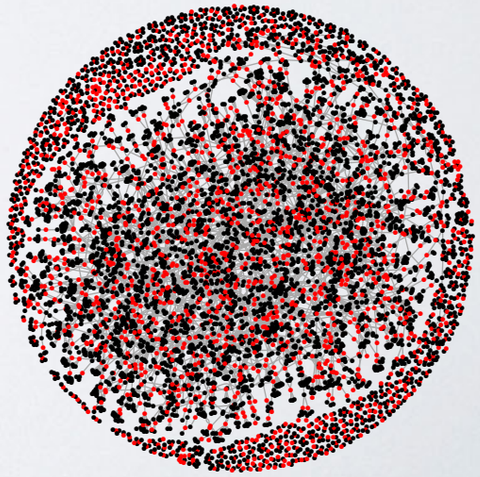
Washington 2010



Seattle 2011

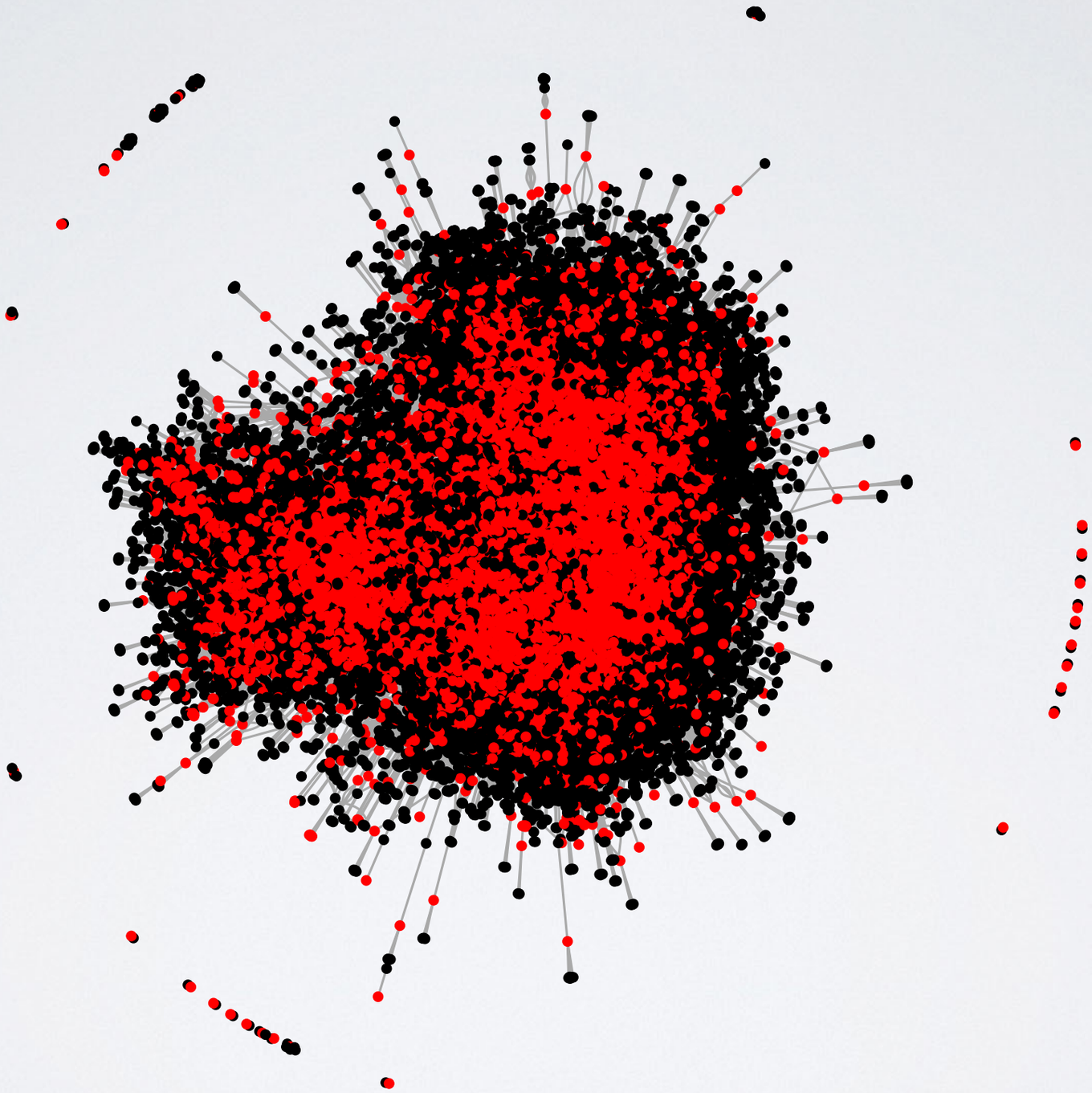


New Orleans 2012*



Chicago 2013

# APSA 2002-2013



- SCHOLAR
- PANEL

INCLUDES ALL SCHOLARLY PANELS.

DOES NOT INCLUDE WORKING GROUPS, SHORT COURSES, OR BUSINESS MEETINGS

# SCHOLAR TO SCHOLAR

ONE-MODE PROJECTION OF BIPARTITE GRAPH

INCLUDES ALL SCHOLARLY PANELS.

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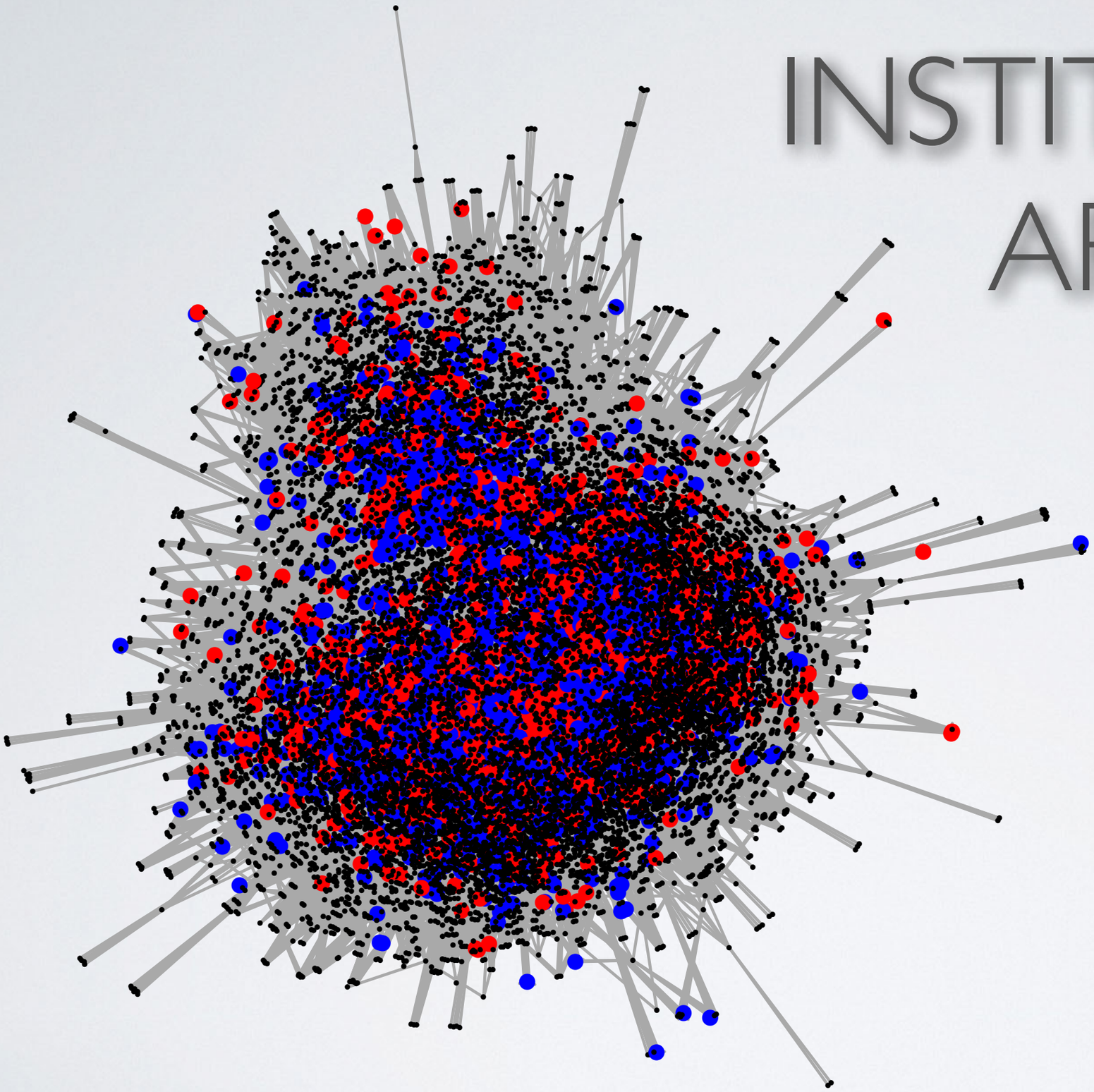
# INSTITUTIONAL AFFILIATION

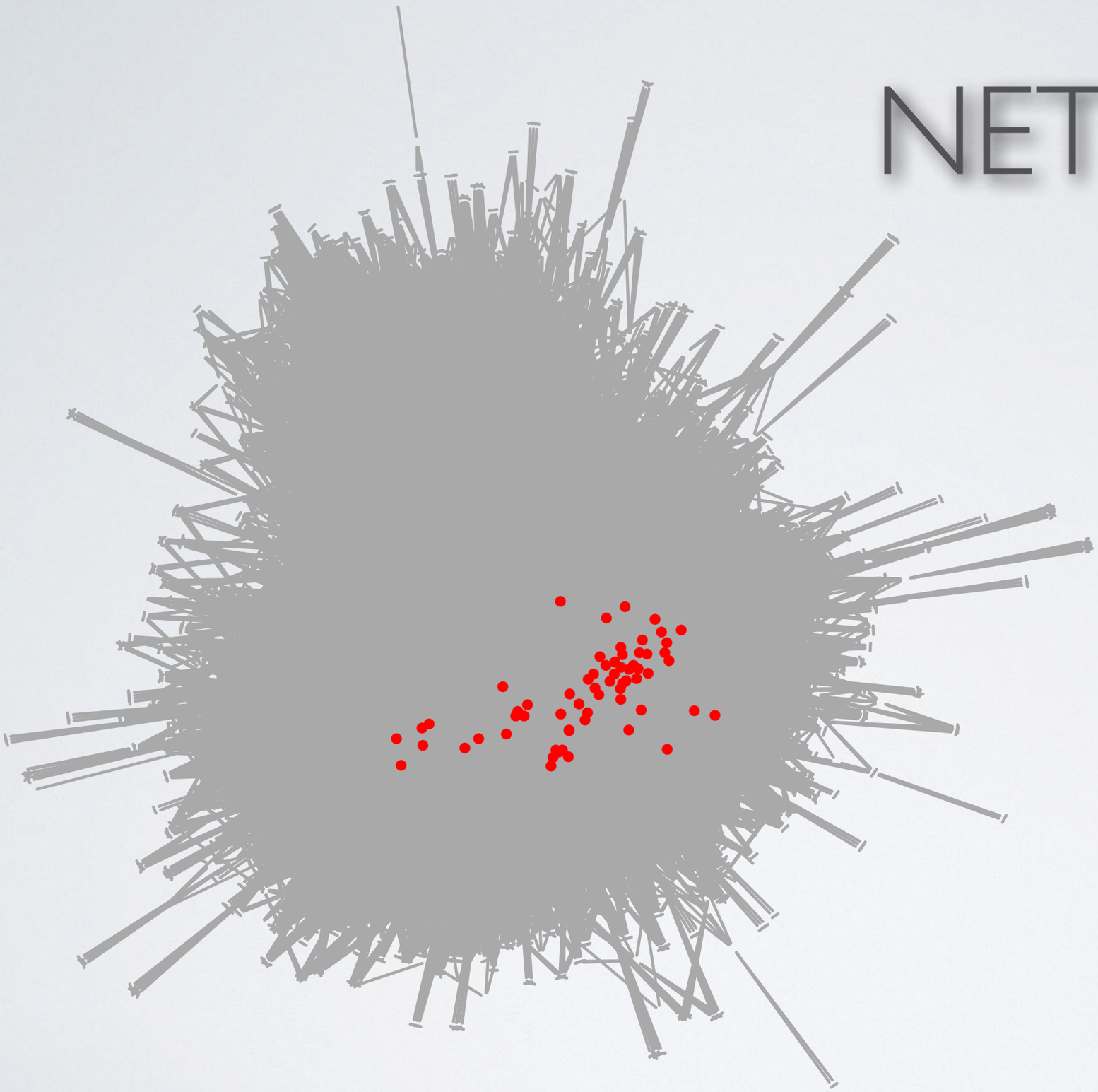


- TOP 10
- TOP 25
- ALL OTHERS

ONE-MODE PROJECTION OF BIPARTITE GRAPH

USN&WR RANK OF HIGHEST RANKING INSTITUTION THE SCHOLAR WAS AFFILIATED WITH DURING THIS PERIOD.

# NETWORKERS



- NETWORKER

ONE-MODE PROJECTION OF BIPARTITE GRAPH

OTHER NODES NOT DEPICTED.

NETWORKERS ARE THOSE WHO HAVE EVER PRESENTED ON A NETWORKS SECTION (SECTION 50) PANEL

# COMMUNITY DETECTION

# MODULARITY

By Rank: **0.059**

By Section: **0.210**

**(BASED ON WHICH SECTION EACH SCHOLAR PRESENTS IN MOST FREQUENTLY.)**

By Field: **0.274**

**(BASED ON A RECODE OF SECTION)**

# COMMUNITY DETECTION

By Rank: **0.059**

By Section: **0.210**

By Field: **0.274**

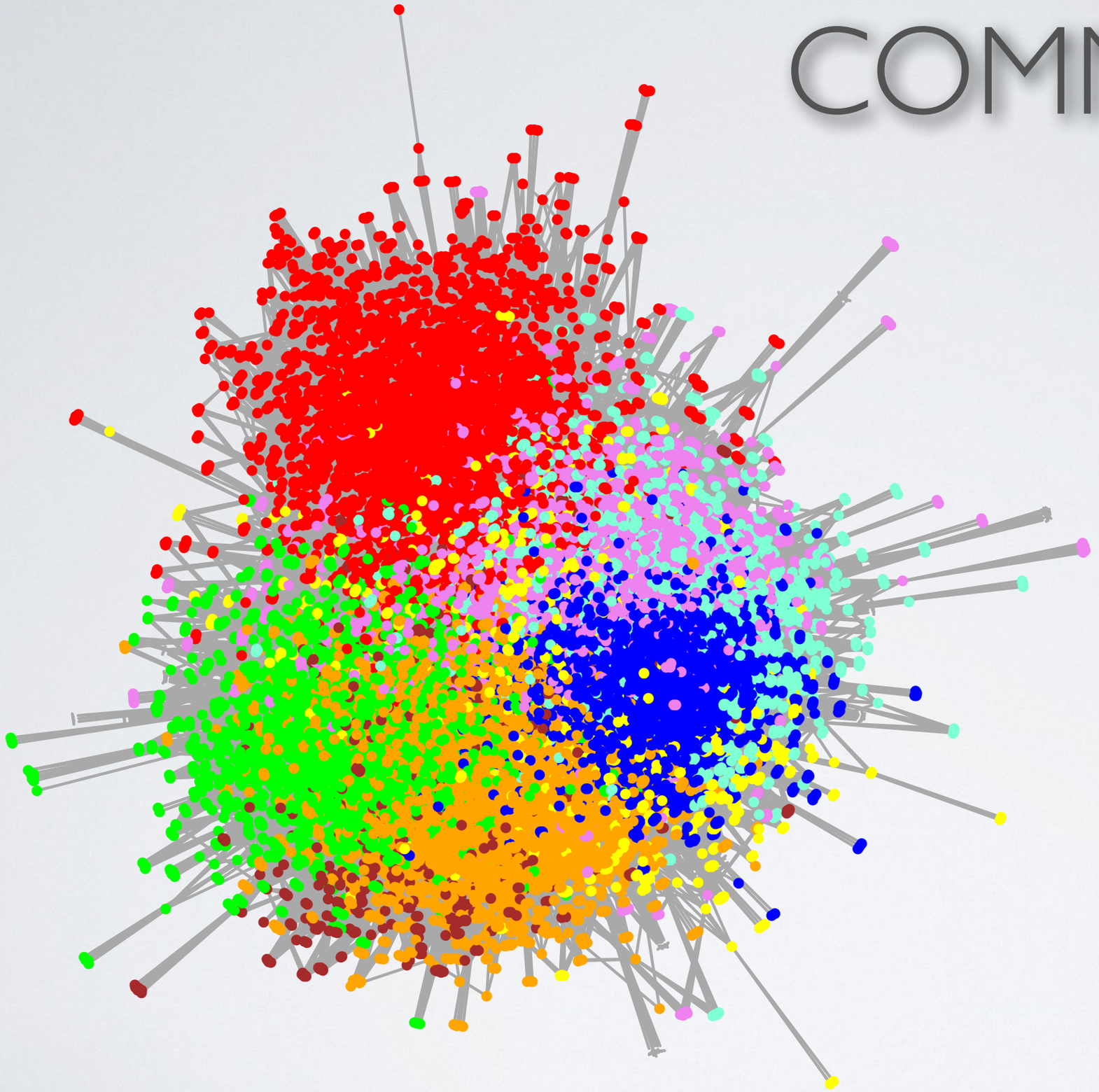
**Fastgreedy algorithm**

Maximizes modularity

- 50 communities
- 8 larger than 150 members.

By Communities: **0.535**

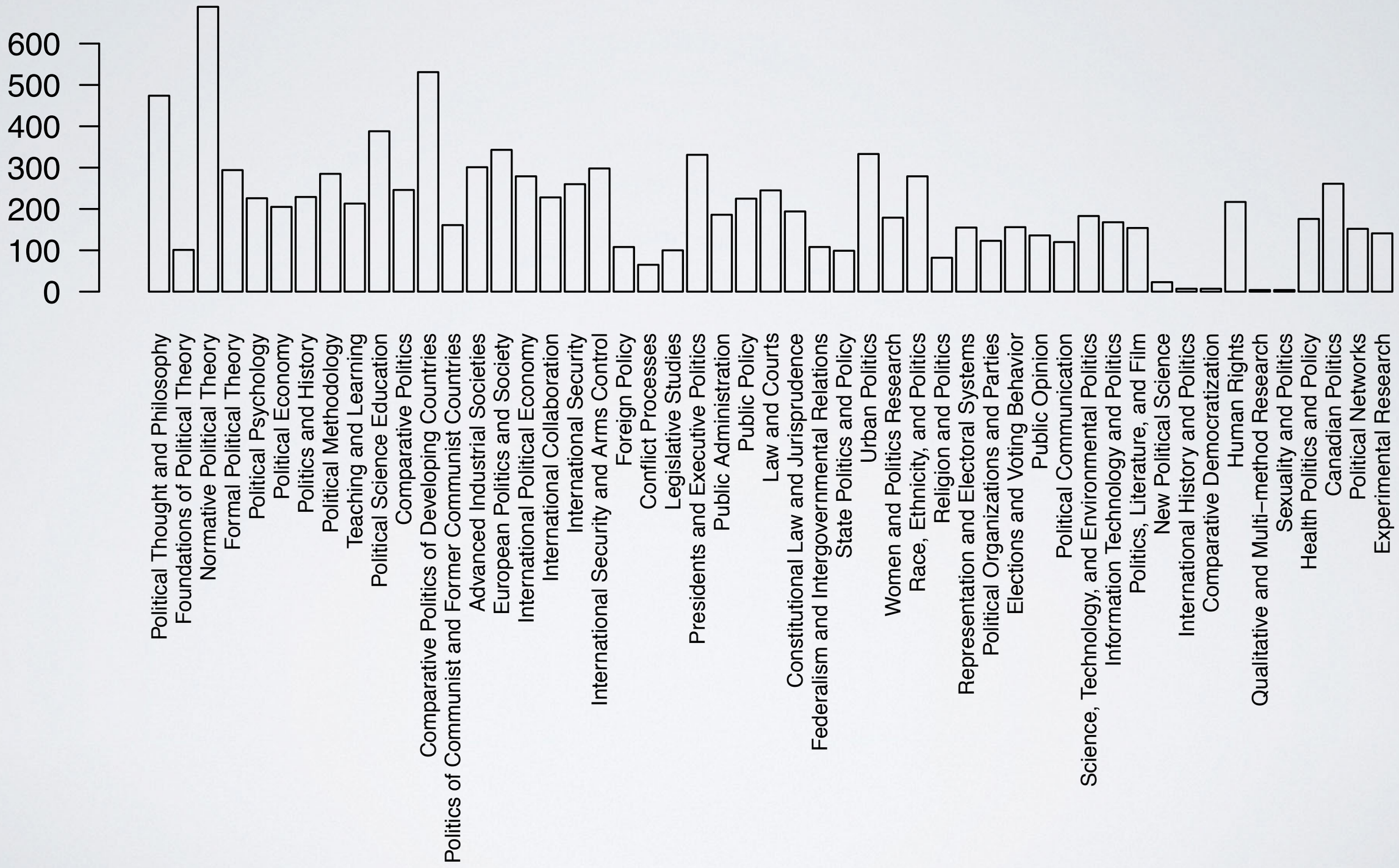
# COMMUNITIES



ONE-MODE PROJECTION OF BIPARTITE GRAPH

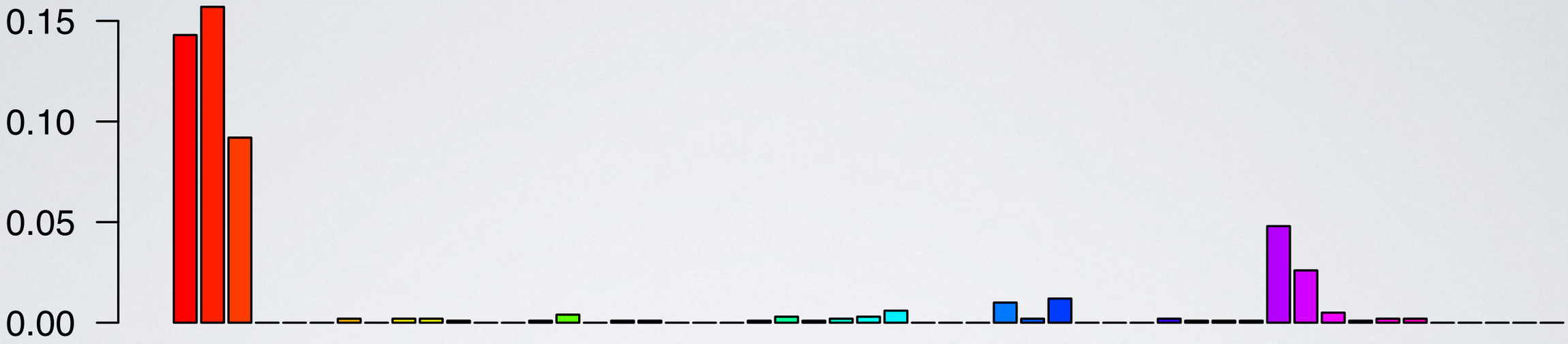
COMMUNITIES AS DETECTED BY THE FASTGREEDY ALGORITHM, WHICH MAXIMIZES MODULARITY.

## NUMBER OF SCHOLARS WHOSE MOST COMMON SECTION IS…



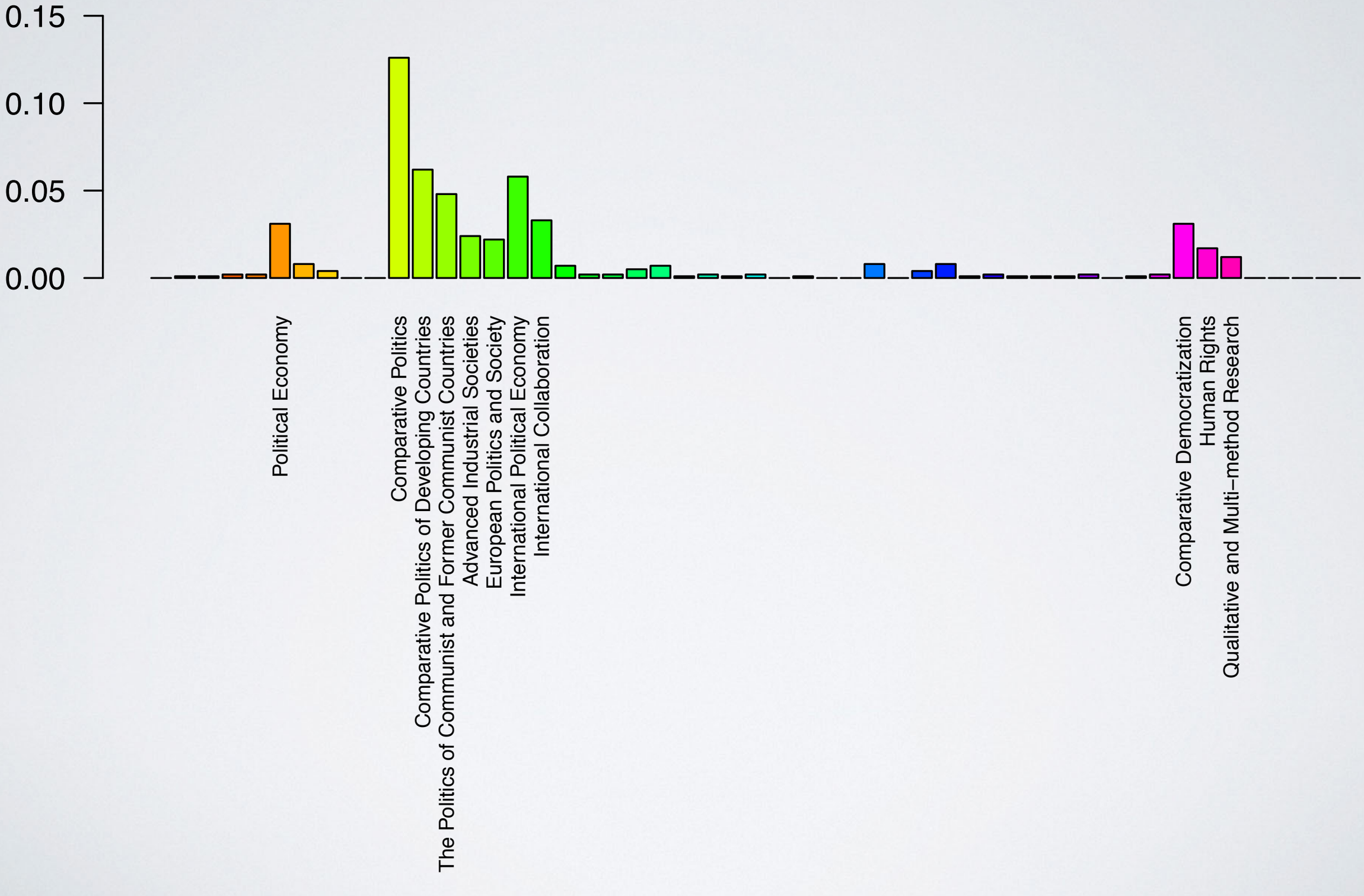
# Political Theory

FREQUENCY OF SECTION IN COMMUNITY



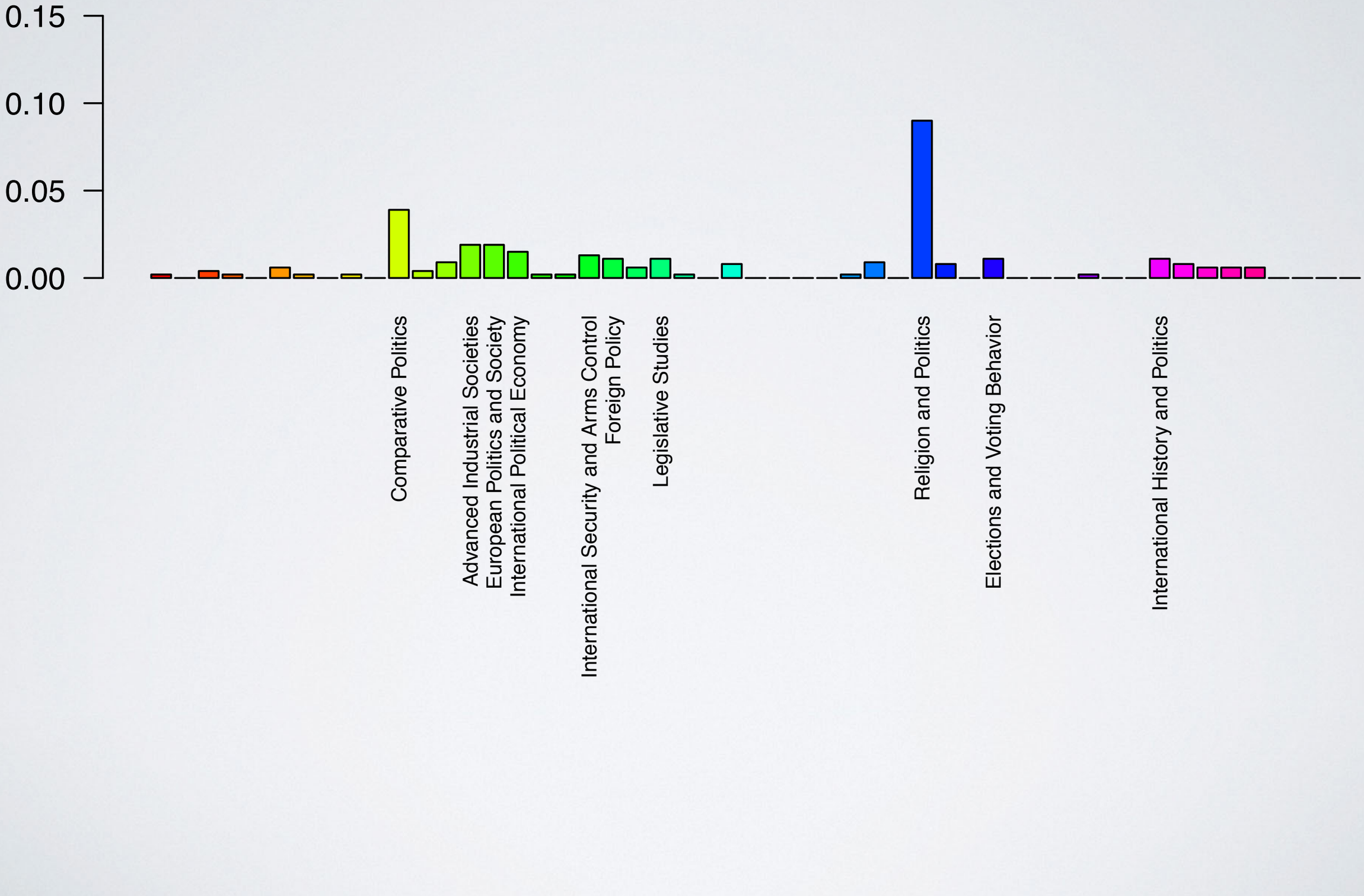
# Comparative

FREQUENCY OF SECTION IN COMMUNITY



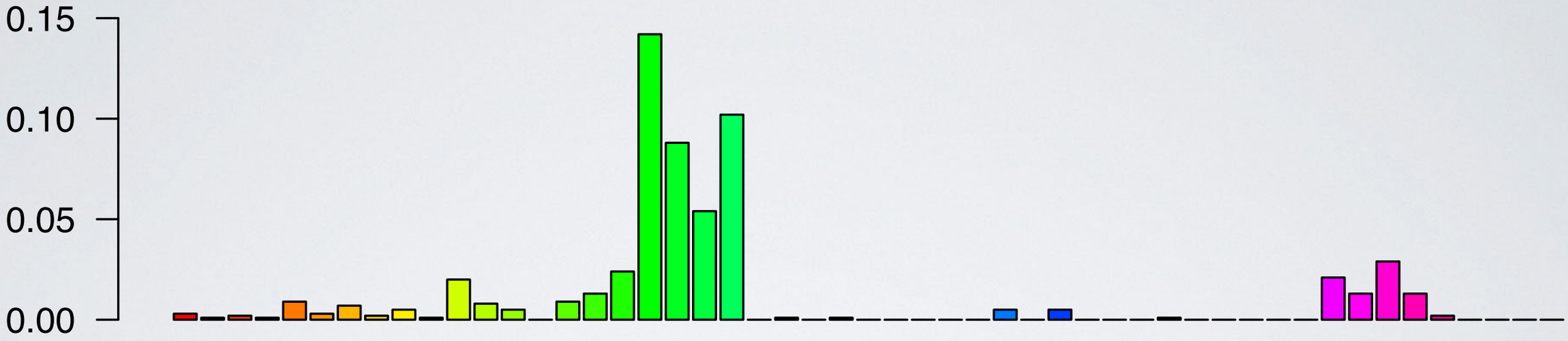
# Comparative II

FREQUENCY OF SECTION IN COMMUNITY



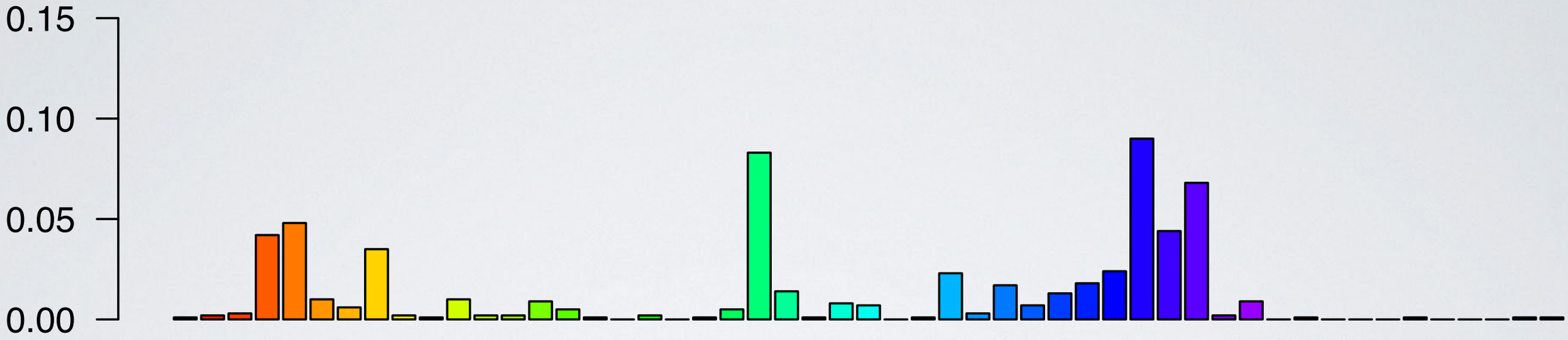
# International Relations

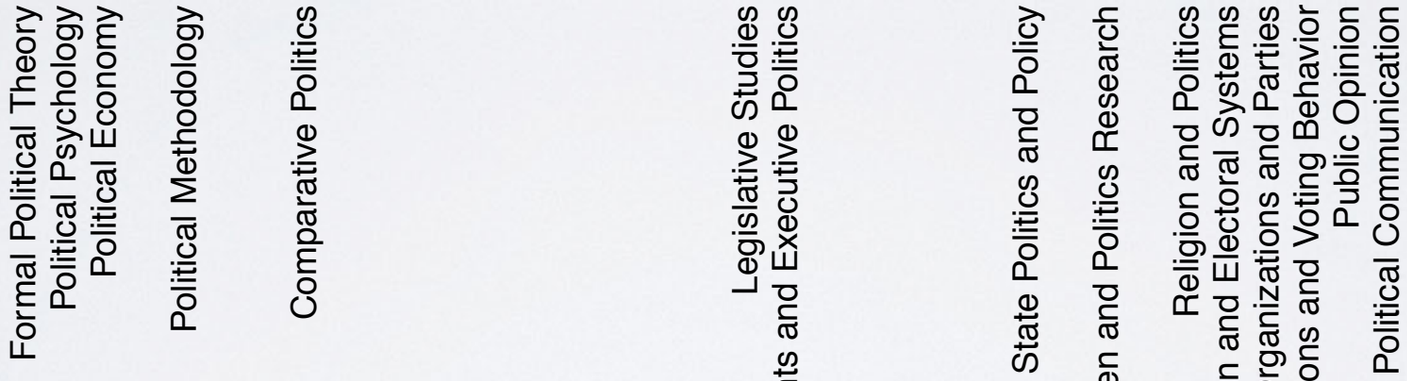
FREQUENCY OF SECTION IN COMMUNITY



# American Institutions and Behavior

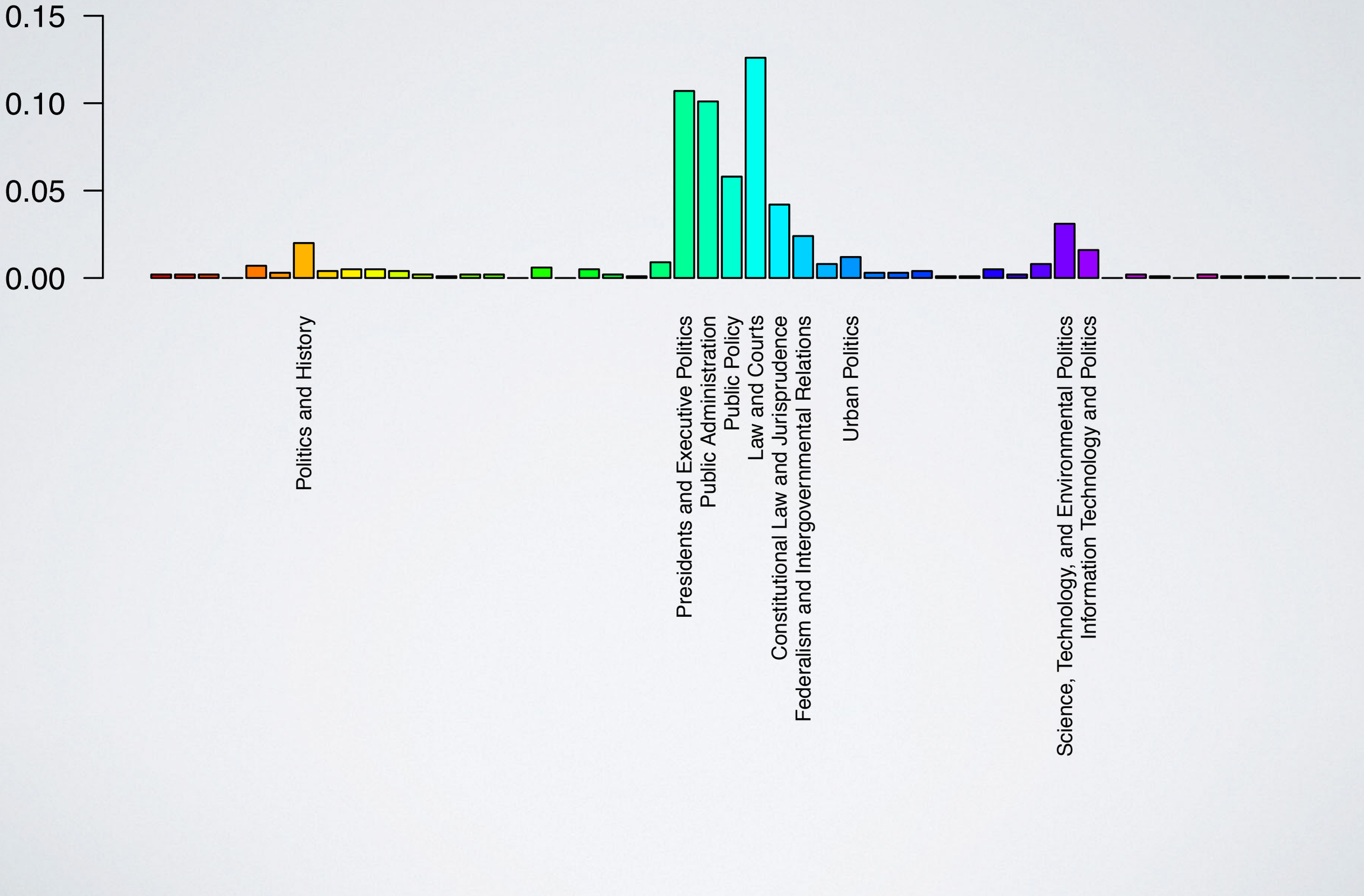
FREQUENCY OF SECTION IN COMMUNITY



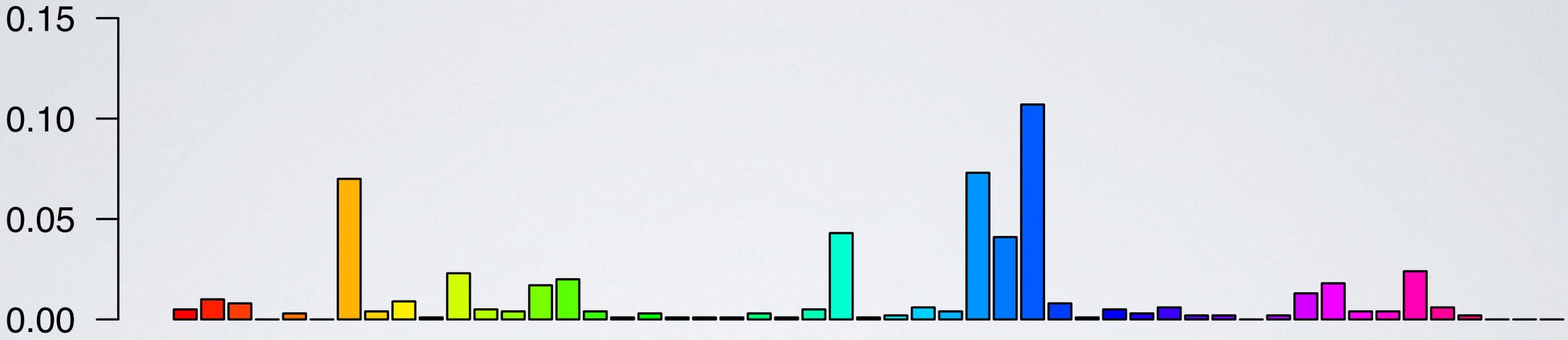
# Law, Courts and Policy

FREQUENCY OF SECTION IN COMMUNITY



# Social Movements

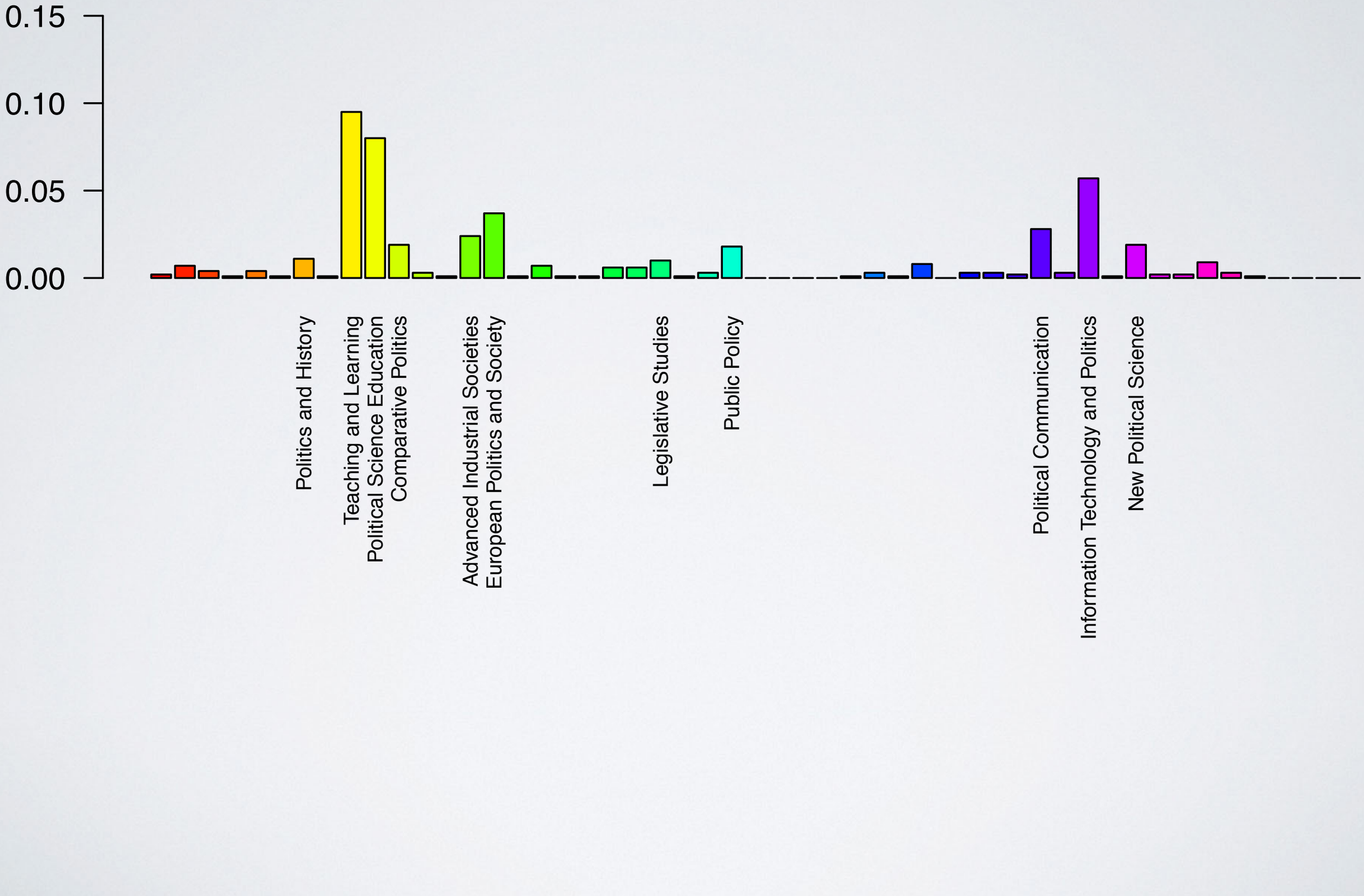
FREQUENCY OF SECTION IN COMMUNITY



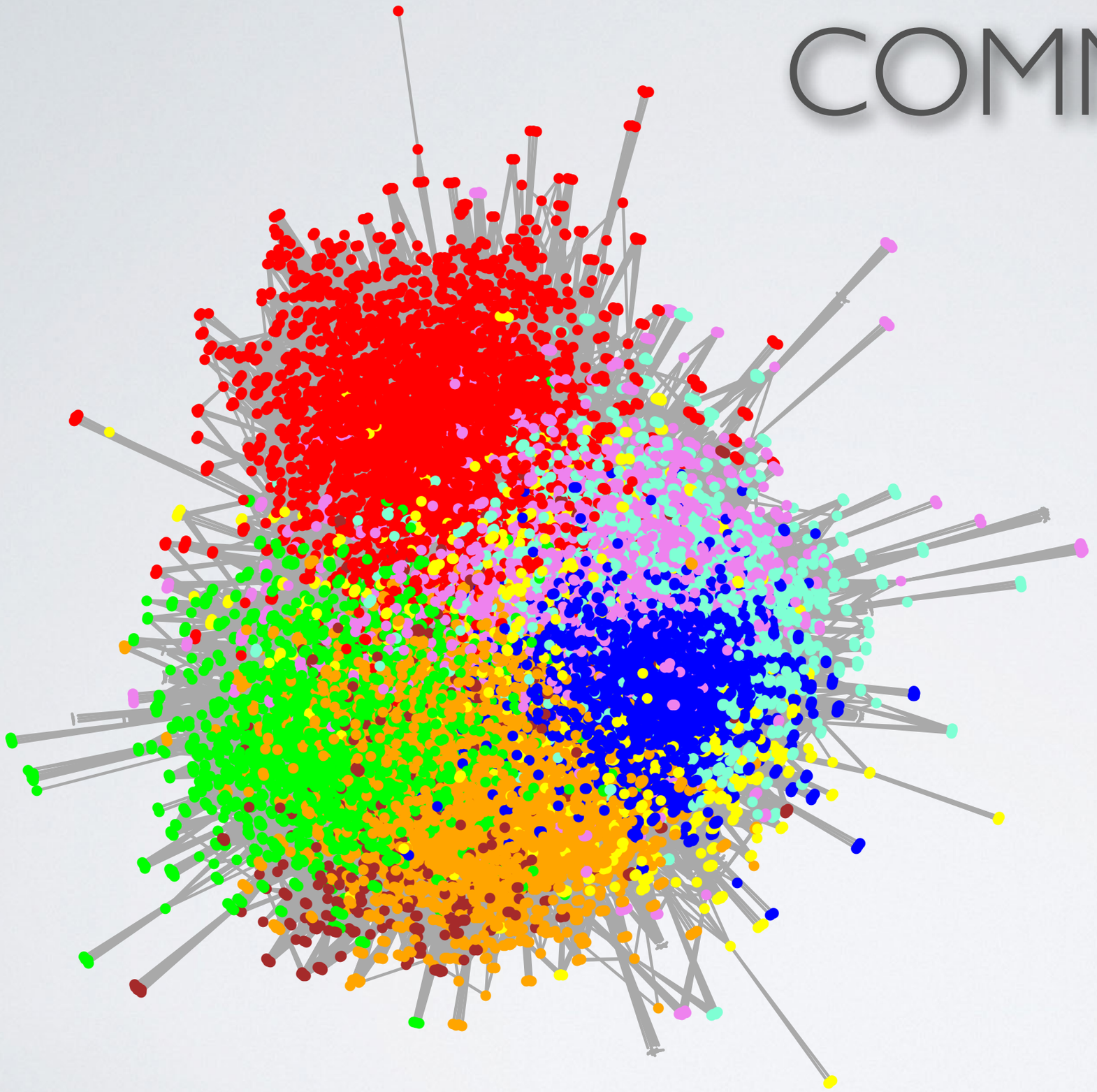

Foundations of Political Theory
Politics and History
Comparative Politics
Advanced Industrial Societies
European Politics and Society
Public Policy
Urban Politics
Women and Politics Research
Race, Ethnicity, and Politics
New Political Science
International History and Politics
Qualitative and Multi−method Research

# Teaching

FREQUENCY OF SECTION IN COMMUNITY



# COMMUNITIES



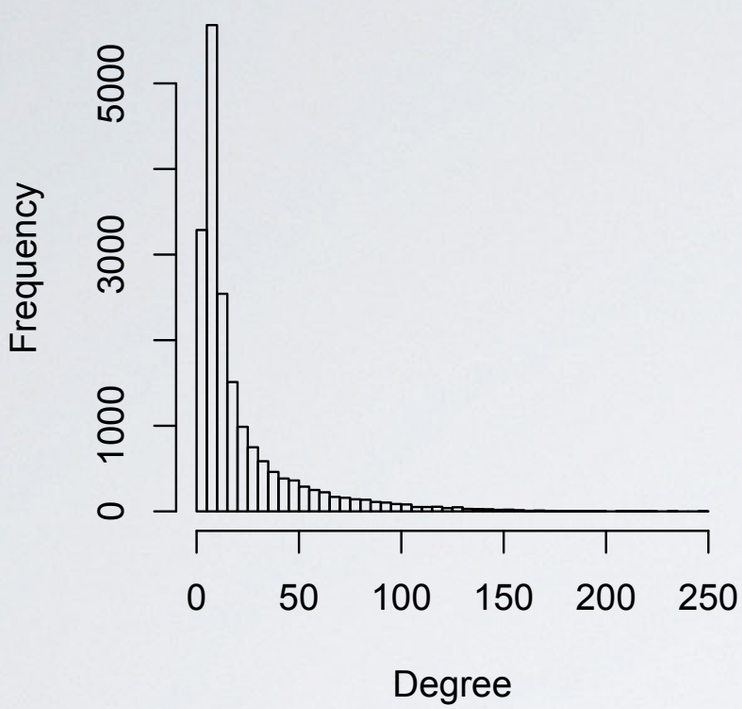
- THEORY
- COMPARATIVE
- COMPARATIVE II
- INTERNATIONAL RELATIONS
- AMERICAN INSTITUTIONS AND BEHAVIOR
- AMERICAN / LAW AND COURTS
- SOCIAL MOVEMENTS
- TEACHING

ONE-MODE PROJECTION OF BIPARTITE GRAPH

COMMUNITIES AS DETECTED BY THE FASTGREEDY ALGORITHM, WHICH MAXIMIZES MODULARITY. SEE PREVIOUS SLIDES.

# CENTRALITY

# CENTRALITY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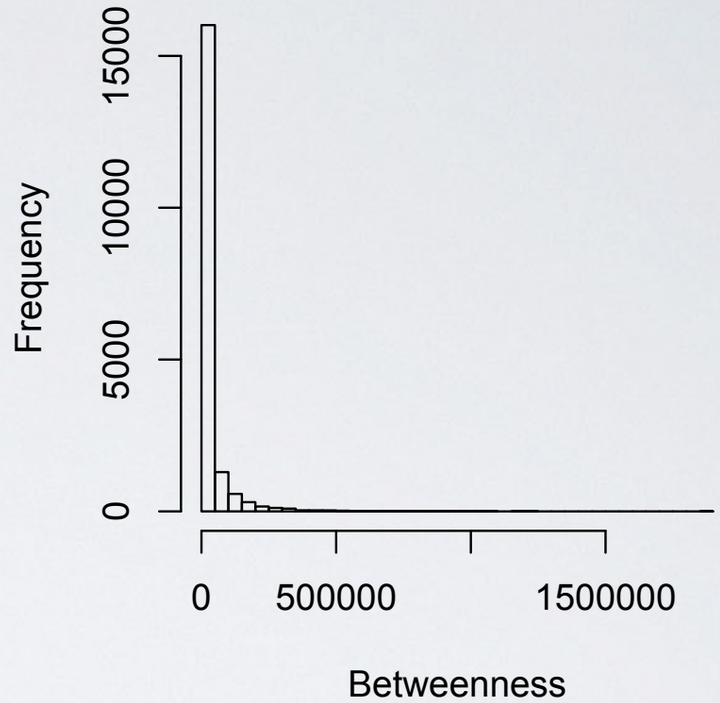
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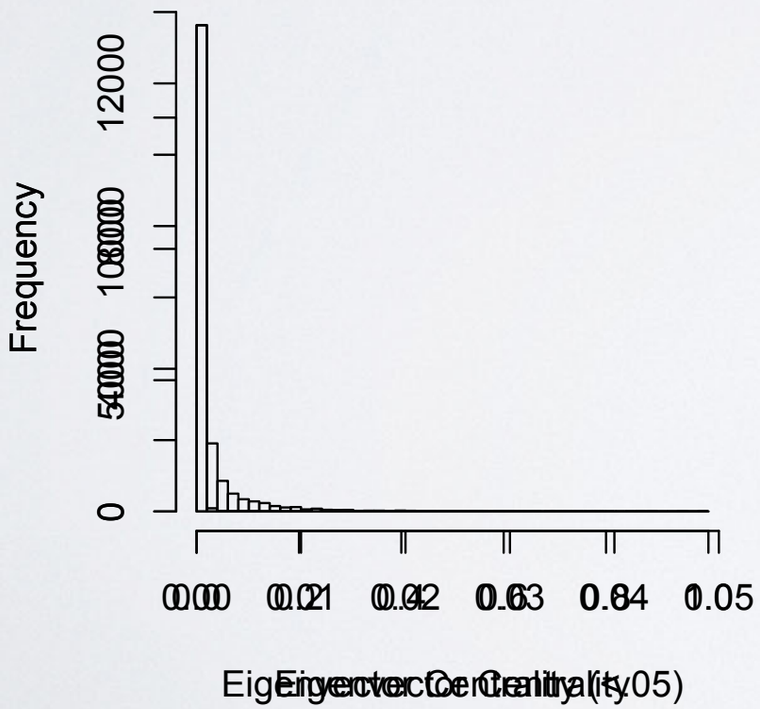
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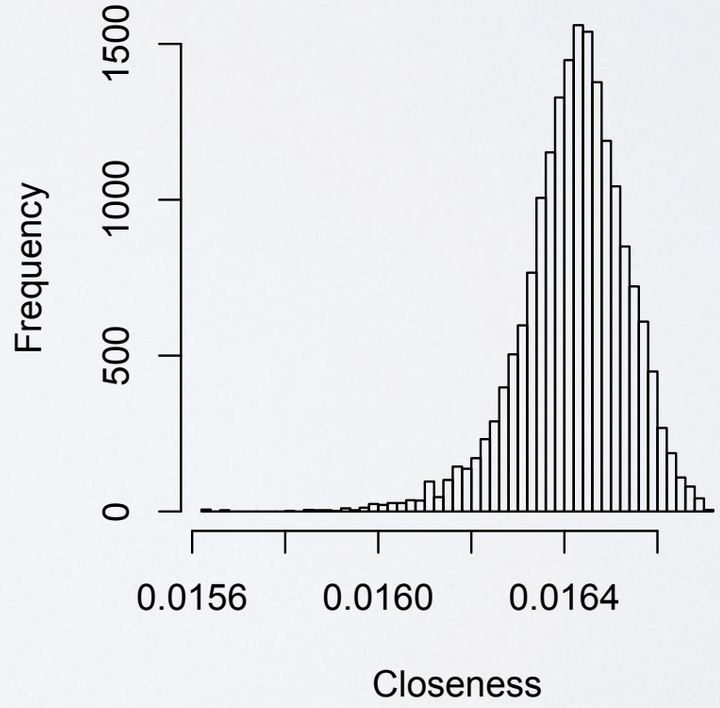
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Closeness

## DEGREE

**Matt A. Barreto** (Washington)
**James N. Druckman** (Northwestern)
**Scott D. McClurg** (Southern Illinois)
**Sebastian M. Saiegh** (UC San Diego)
**Sean Gailmard** (UC Berkeley)
**Jon A. Krosnick** (Stanford)
**James H. Fowler** (UC San Diego)
**Amaney Jamal** (Princeton)
**Layna Mosley** (UNC Chapel Hill)
**John H. Aldrich** (Duke)

## BETWEENNESS

**Lee Trepanier** (Saginaw Valley State)
**Amaney Jamal** (Princeton)
**Mark E. Warren** (British Columbia)
**Rogers M. Smith** (Penn)
**Charles L. Mitchell** (Grambling State)
**Lilly J. Goren** (Carroll University)
**Chris C. Demchak** (Arizona)
**John H. Aldrich** (Duke)
**Sebastian M. Saiegh** (UC San Diego)
**Peter Augustine Lawler** (Berry)

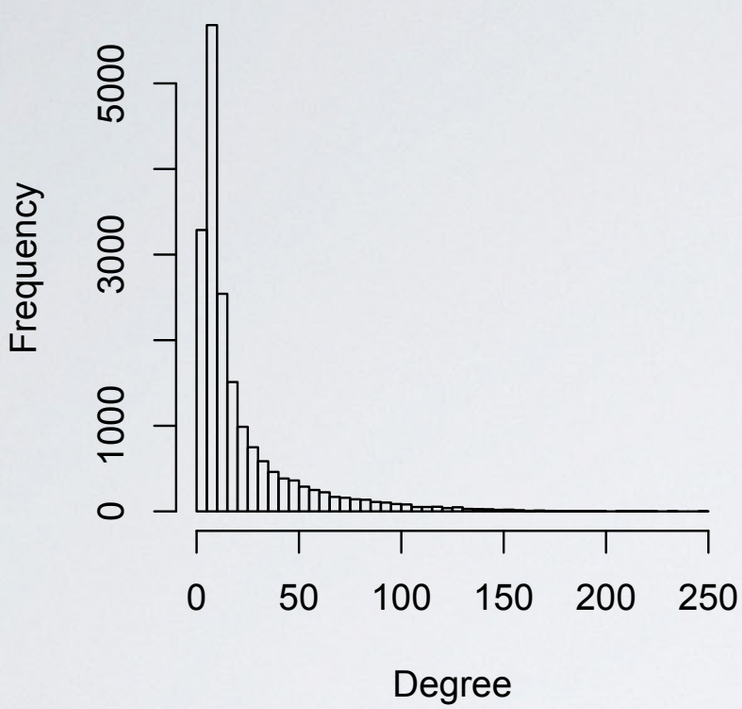
## EIGENVECTOR

**Peregrine Schwartz-Shea** (Utah)
**Dvora Yanow** (Wageningen)
**Dorian T. Warren** (Columbia)
**Emily Hauptmann** (W. Michigan)
**Lisa Wedeen** (Chicago)
**Ronald J. Schmidt Sr.** (CSU Long Beach)
**Mary Hawkesworth** (Rutgers)
**Katherine Cramer** (Wisconsin)
**Kevin M. Bruyneel** (Babson)
**Jan Kubik** (Rutgers)

## CLOSENESS

**Yvette M. Alex-Assensoh** (Oregon)
**Matt A. Barreto** (Washington)
**Amaney Jamal** (Princeton)
**Sebastian M. Saiegh** (UC San Diego)
**John H. Aldrich** (Duke)
**Michelle M. Taylor-Robinson** (Texas A&M)
**Beatriz Magaloni** (Stanford)
**Cindy D. Kam** (Vanderbilt)
**Rose McDermott** (Brown)
**David M. Farrell** (University College Dublin)
**Jennifer Gandhi** (Emory)

# CENTRALITY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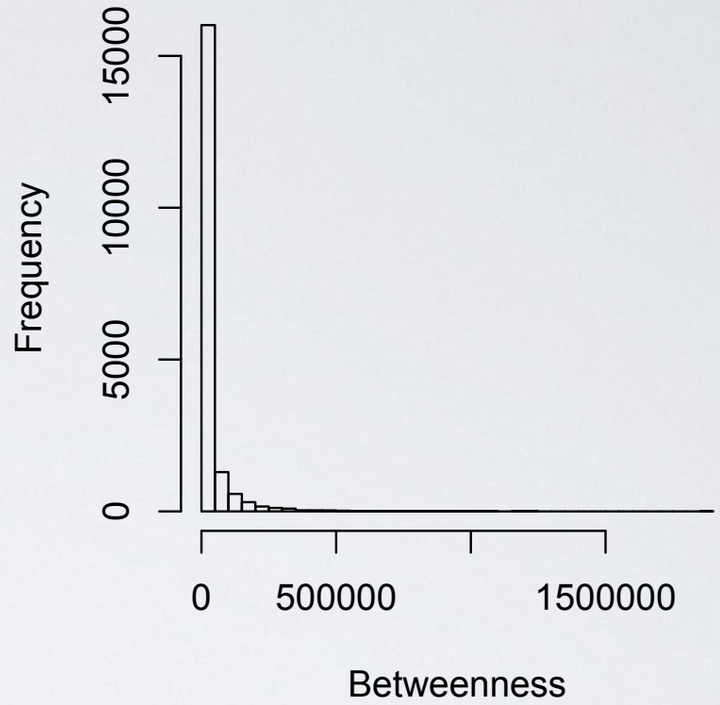
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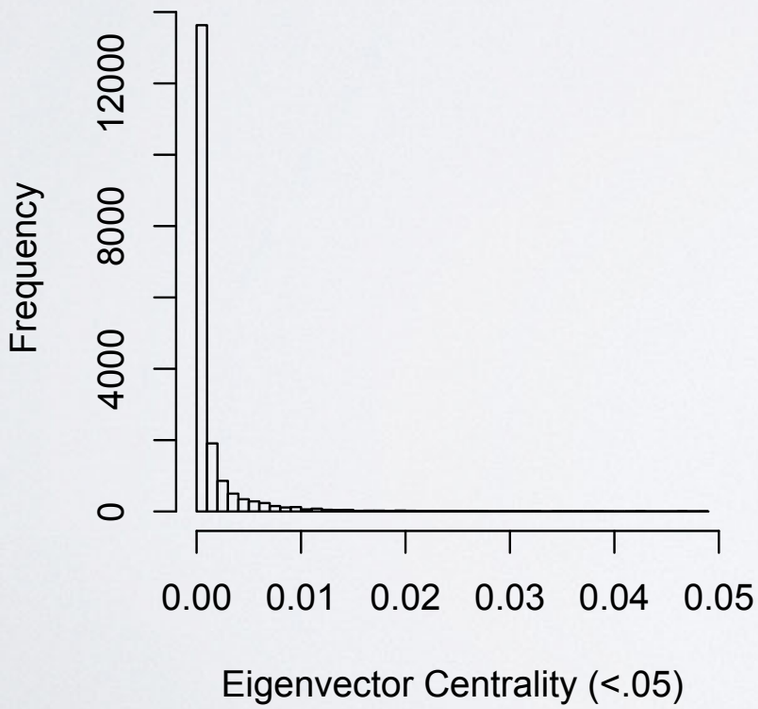
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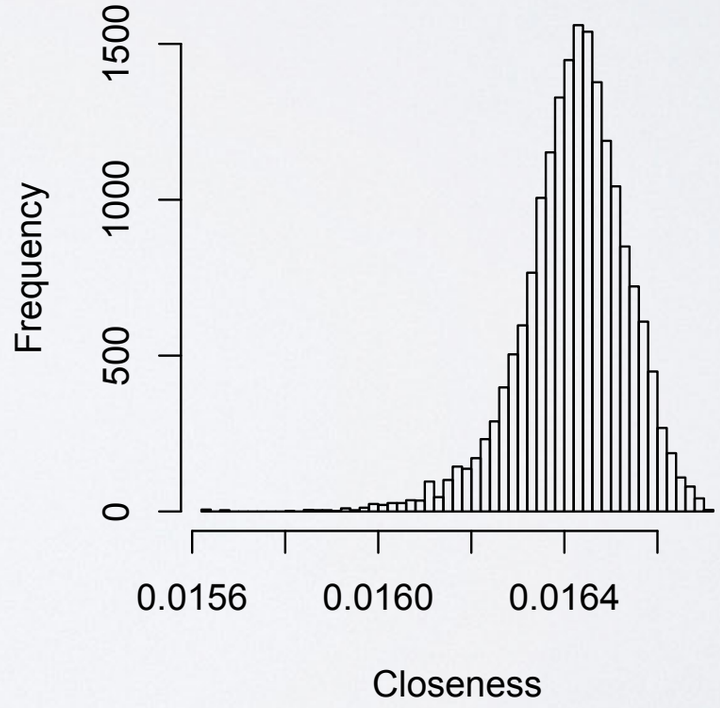
Eigenvector Centrality (<.05)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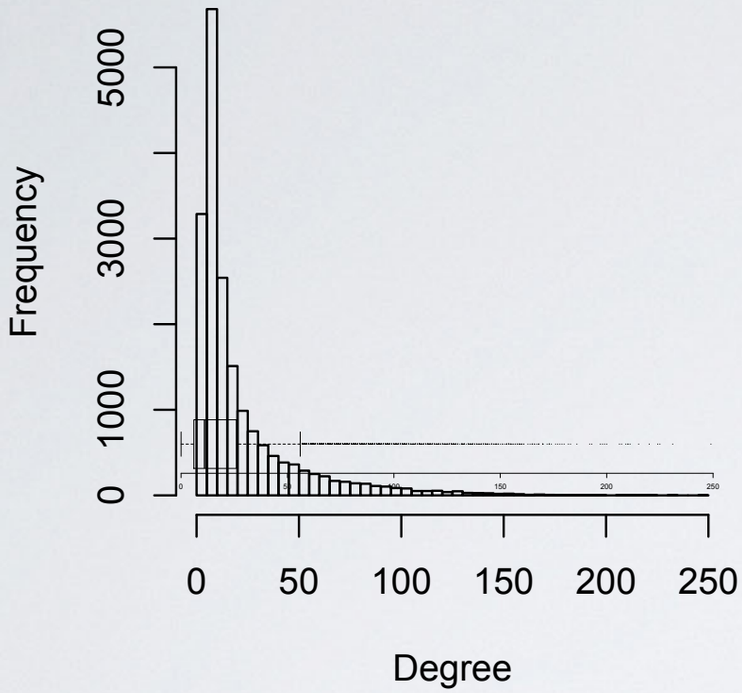
Closeness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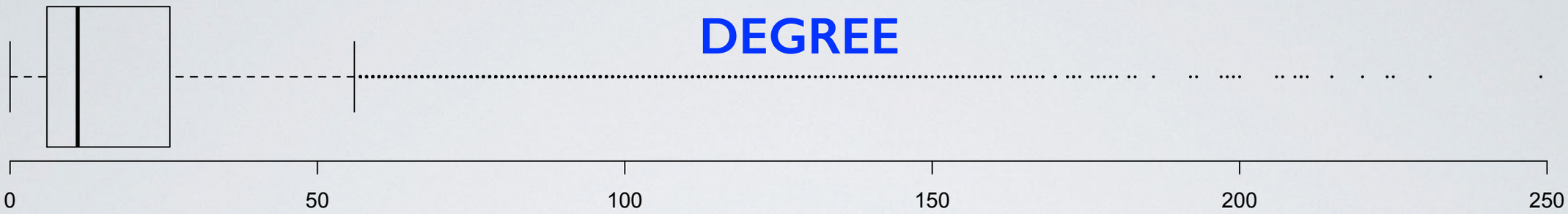
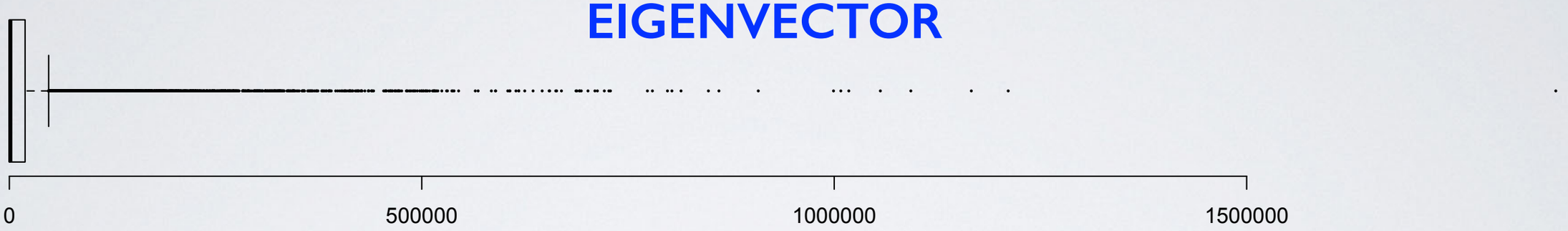
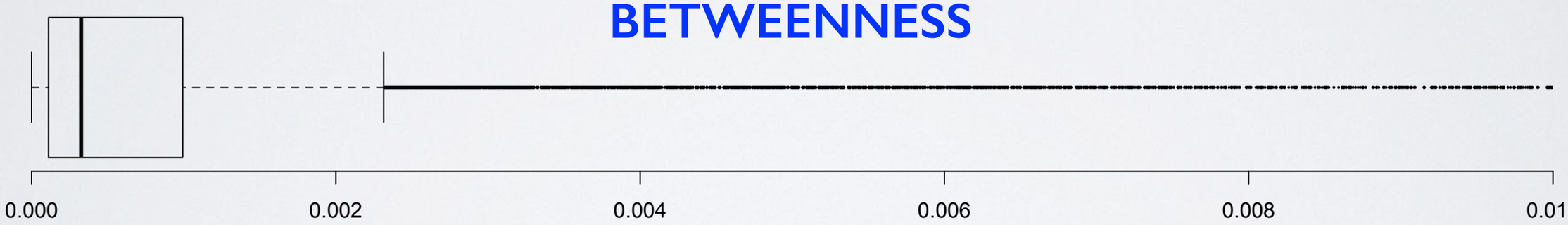
## DEGREE



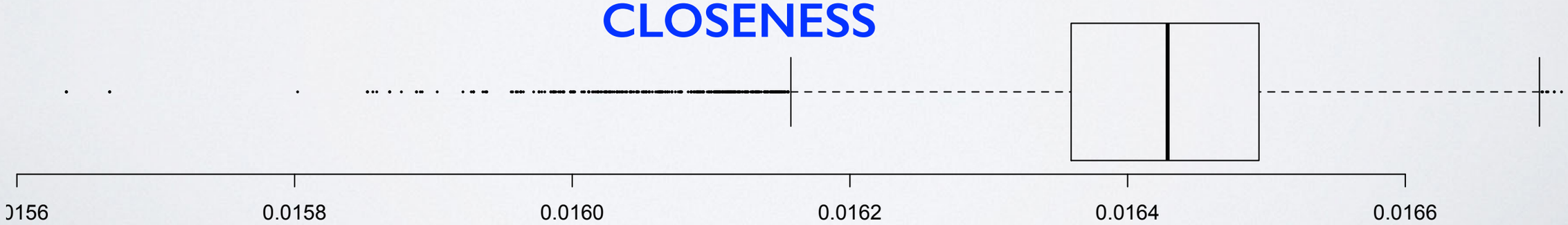

## EIGENVECTOR




## BETWEENNESS

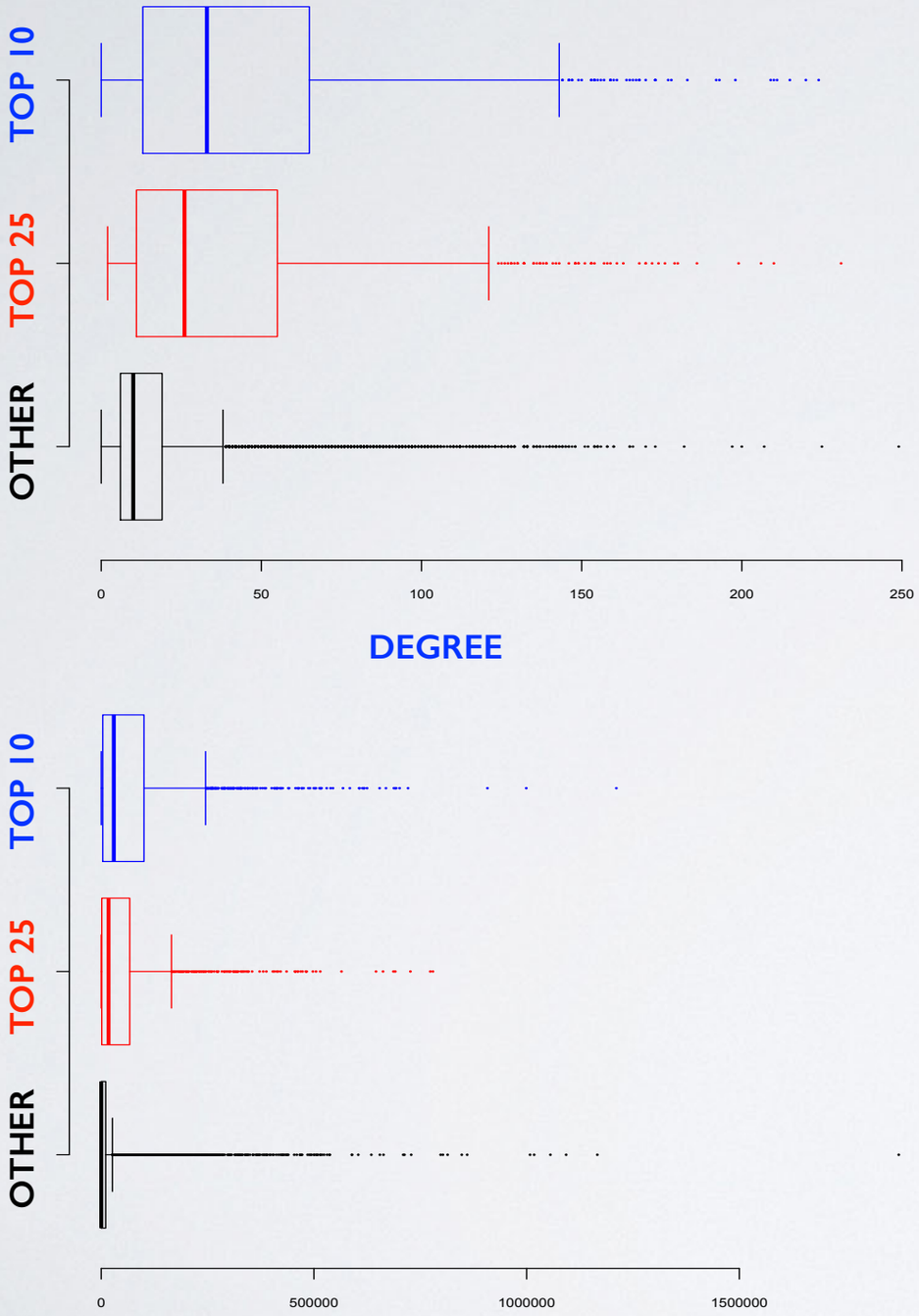


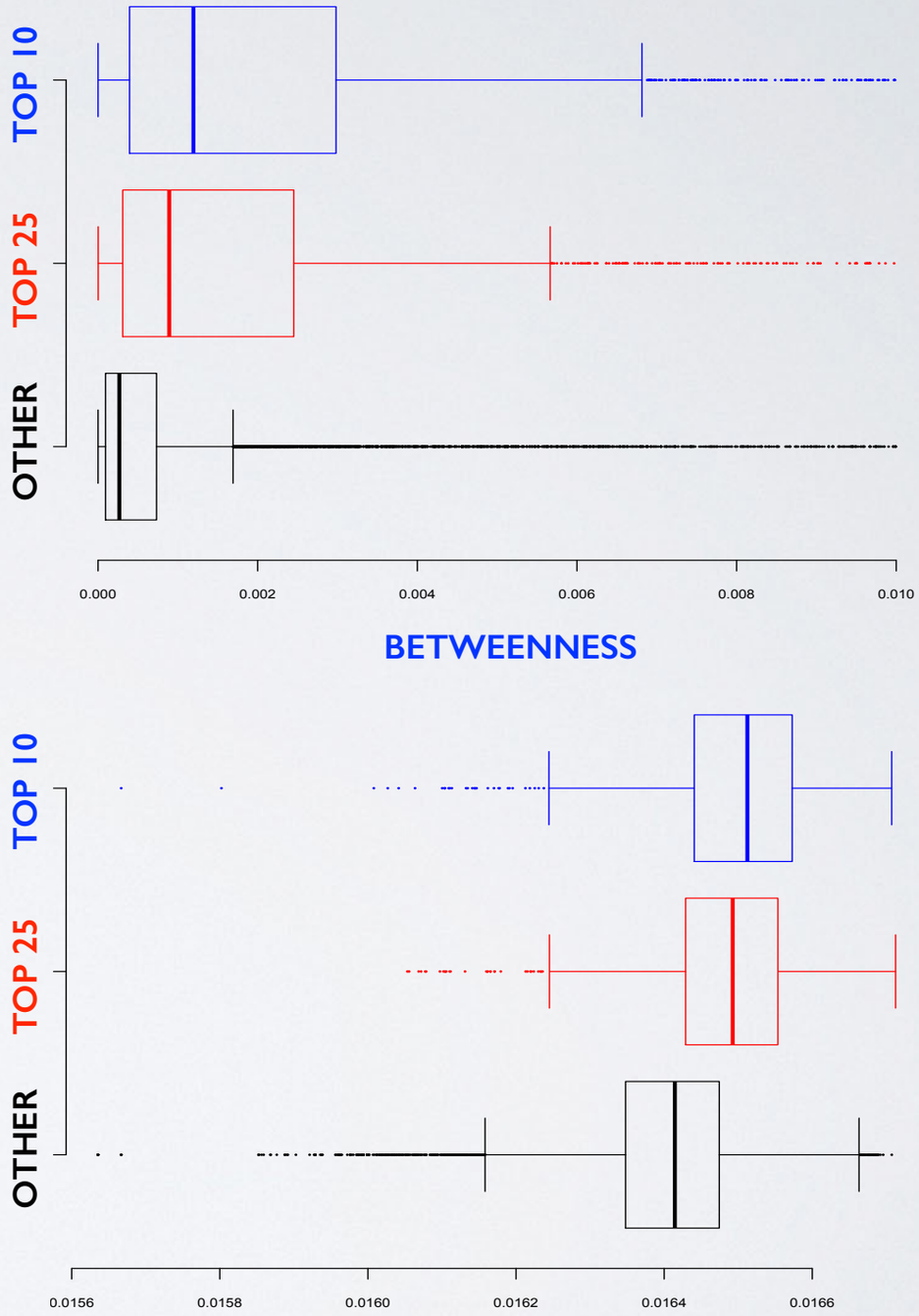

## CLOSENESS



# AFFILIATION RANK

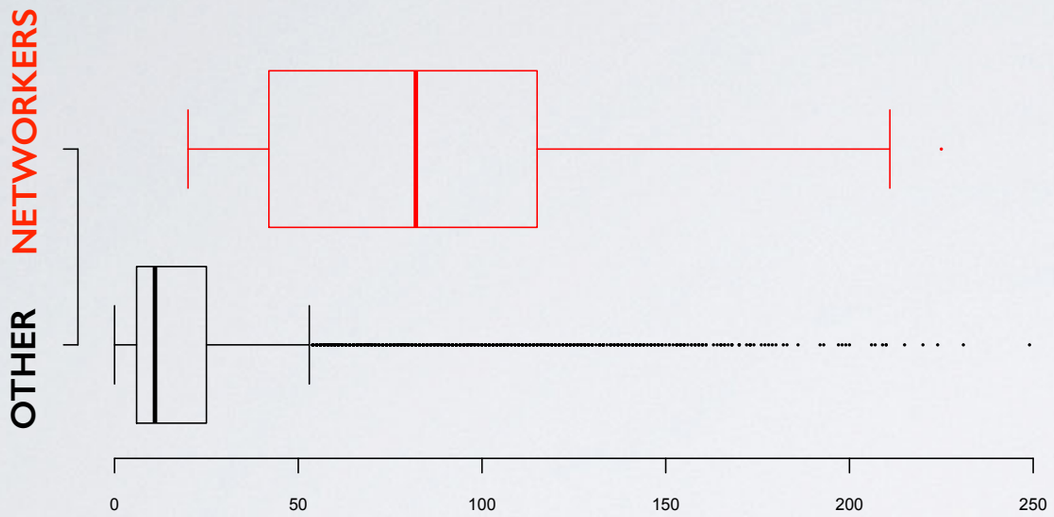
**USN&WR RANK OF HIGHEST RANKING INSTITUTION THE SCHOLAR WAS AFFILIATED WITH DURING THIS PERIOD.**



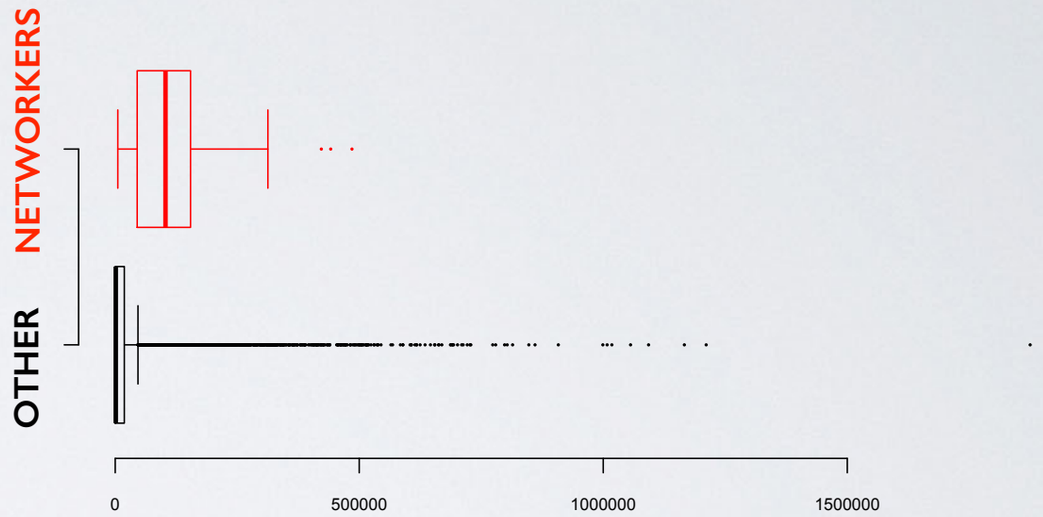



# NETWORKS SECTION

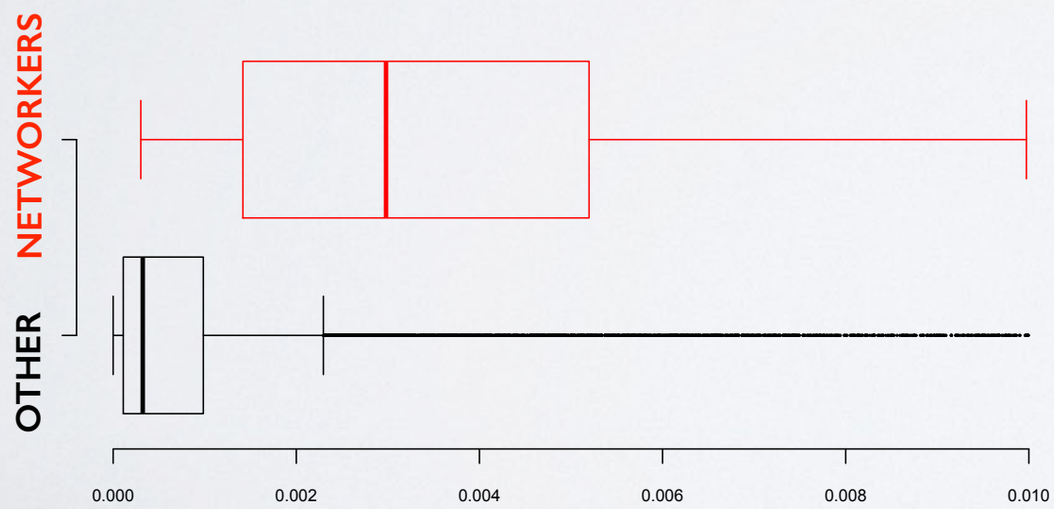
**THOSE WHO HAVE EVER PRESENTED ON A NETWORKS SECTION (SECTION 50) PANEL**



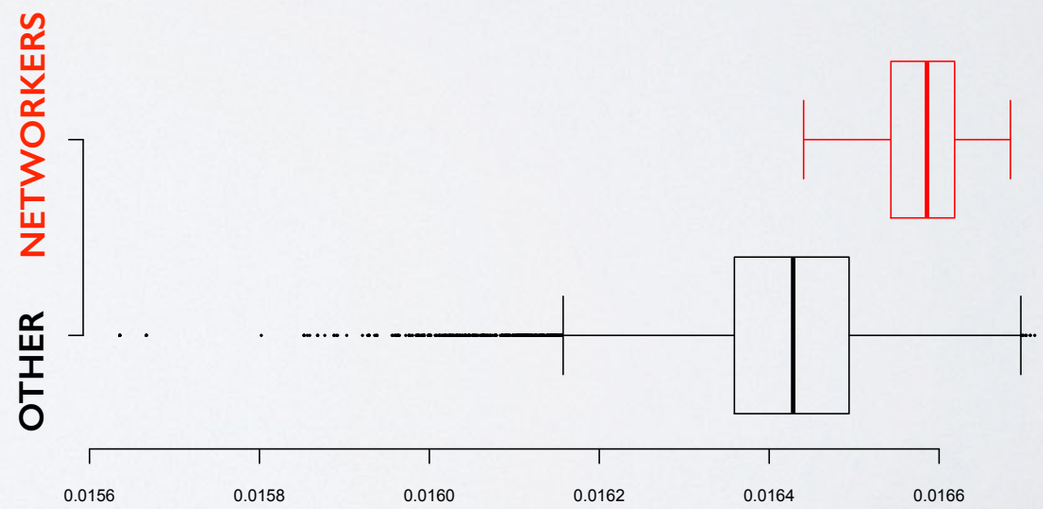

DEGREE




BETWEENNESS




EIGENVECTOR



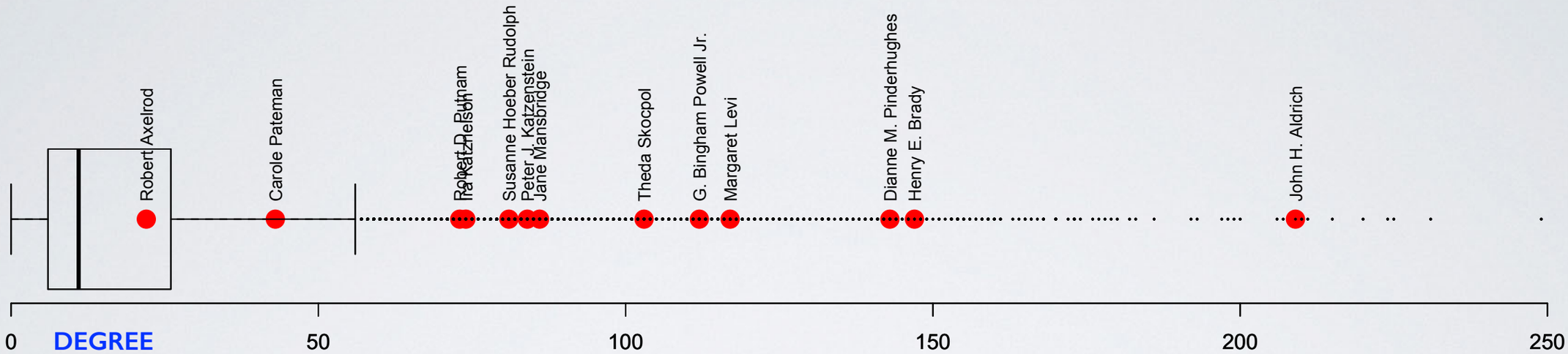

CLOSENESS

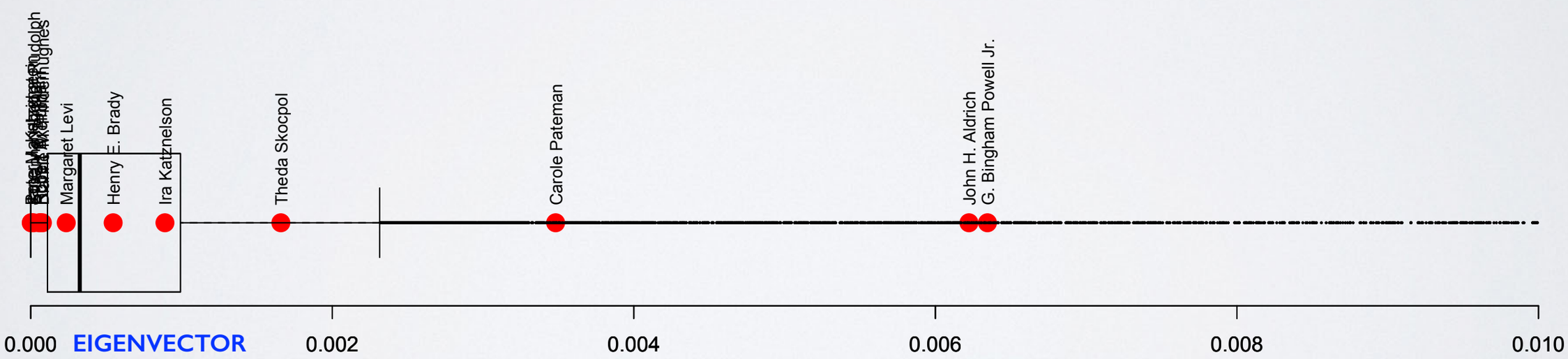
# CENTRALITY

0
DEGREE
50
100
150
200
250

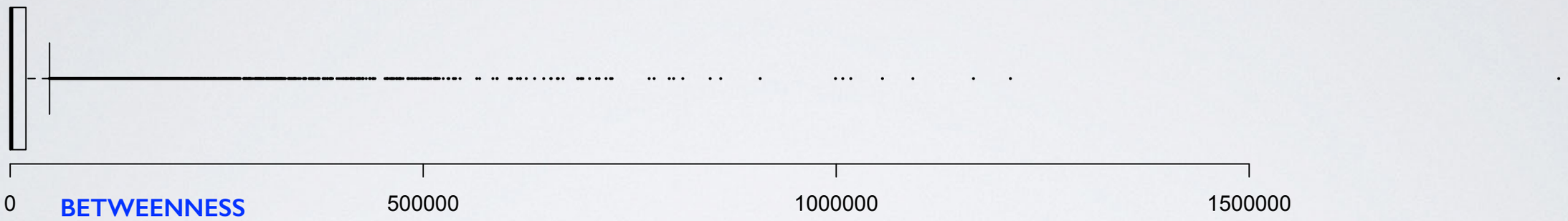
0.000
EIGENVECTOR
0.002
0.004
0.006
0.008
0.010

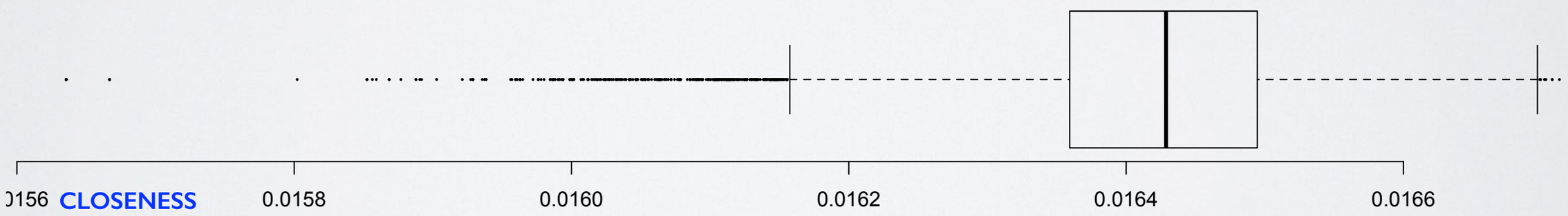
# APSA PRESIDENTS



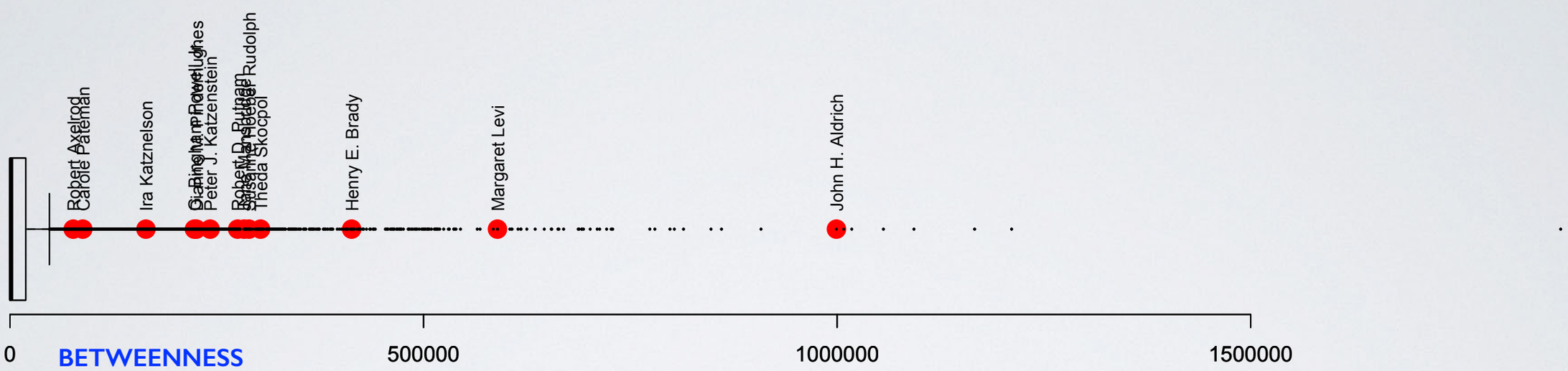



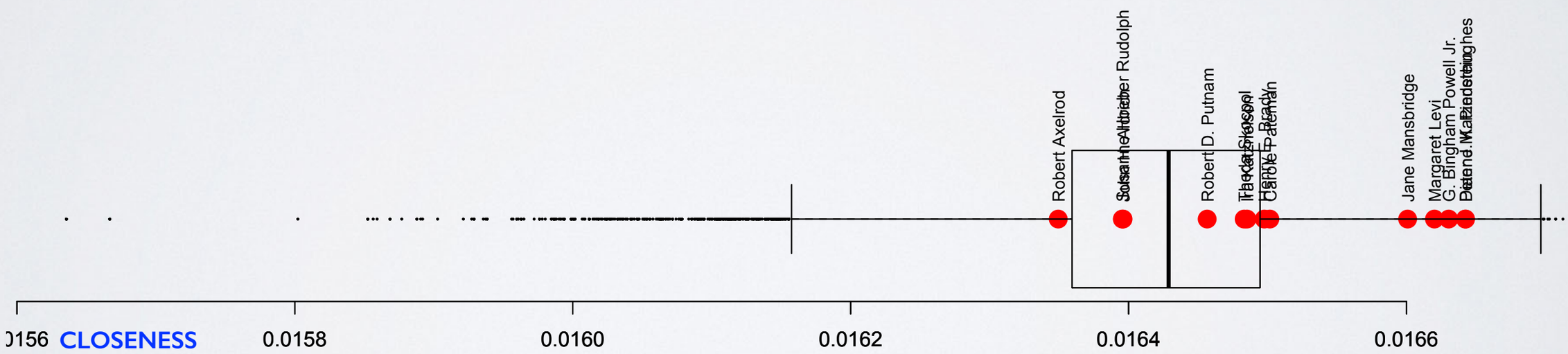
# CENTRALITY


0
BETWEENNESS
500000
1000000
1500000


0156
CLOSENESS
0.0158
0.0160
0.0162
0.0164
0.0166

# APSA PRESIDENTS



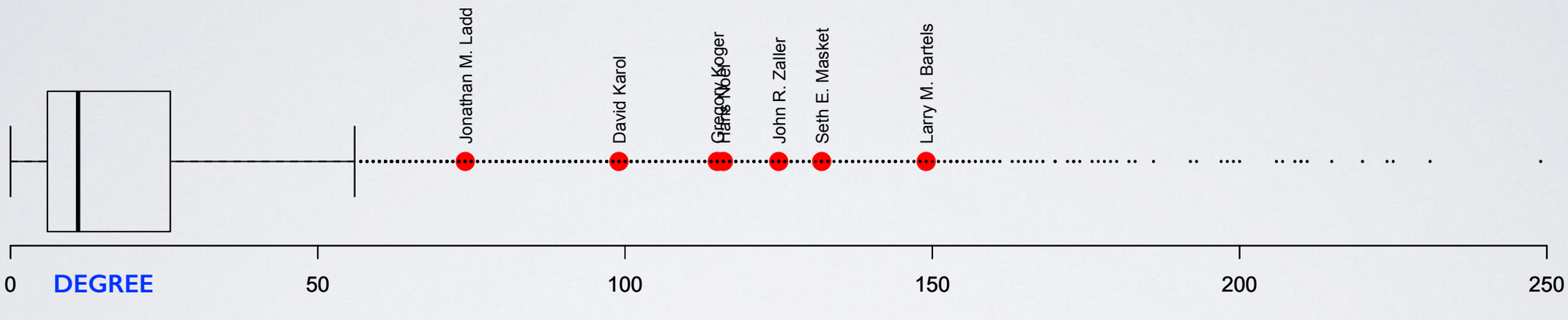



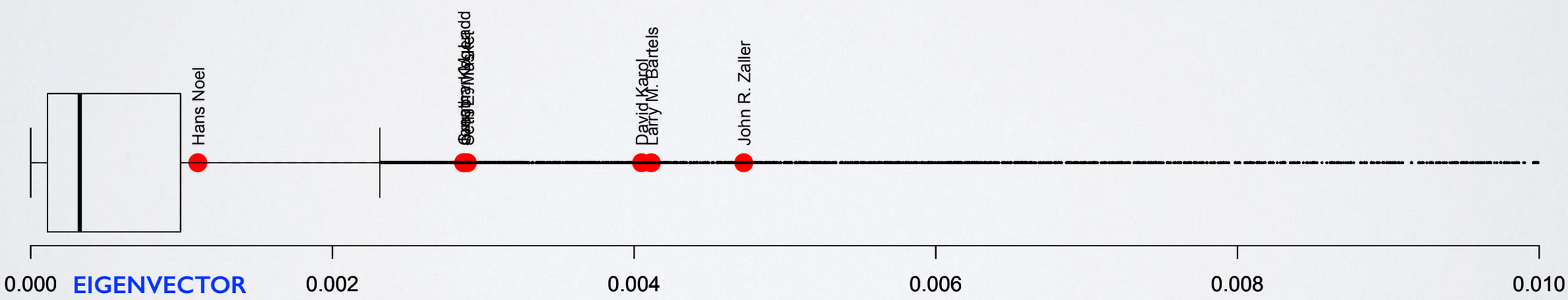
# CENTRALITY

0
DEGREE
50
100
150
200
250

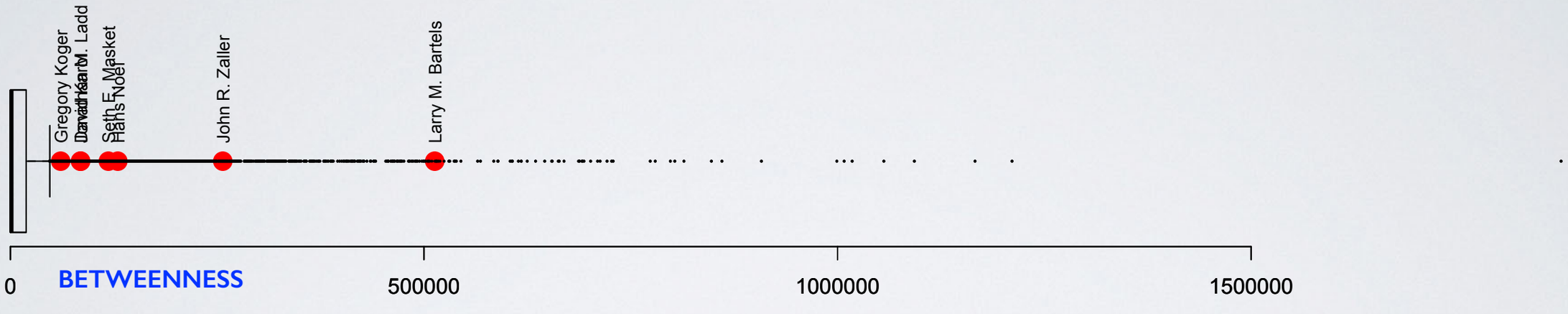
0.000
EIGENVECTOR
0.002
0.004
0.006
0.008
0.010

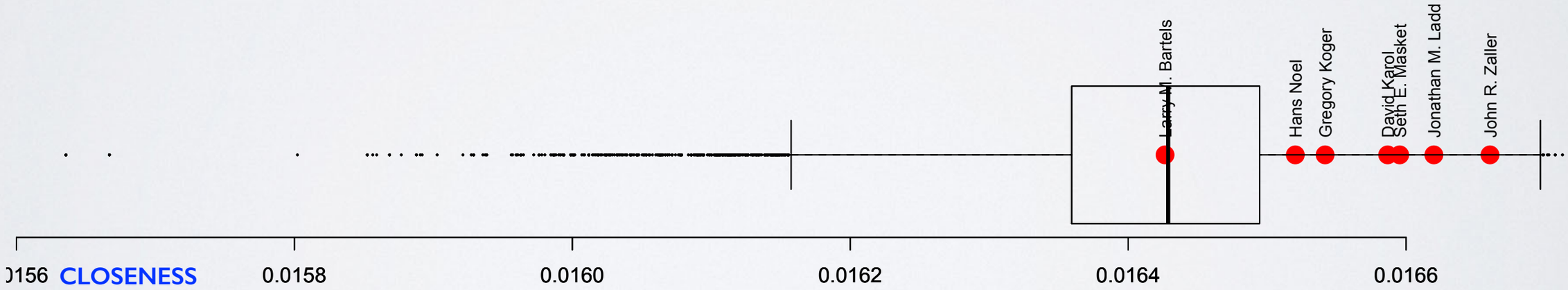
# NOEL'S FRIENDS



# NOEL'S FRIENDS



# AND WHAT ABOUT YOU?