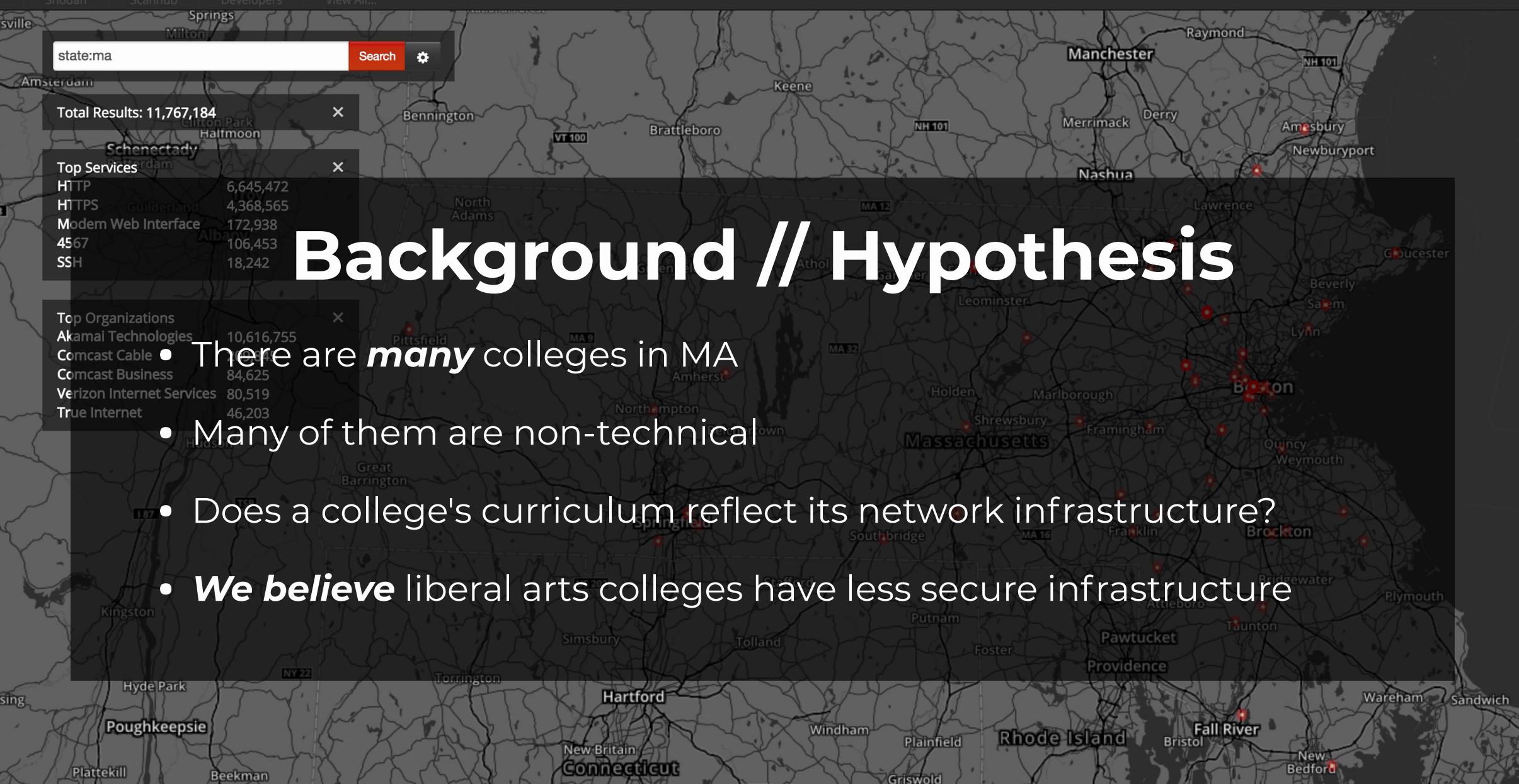


# Scary Colleges

An Analysis of Collegiate Network Vulnerabilities



# Methodology

1. Determine the top 11 most frequently attacked (**vulnerable**) ports
  2. Identify all colleges in Massachusetts with any exposed ports
  3. Of these colleges, identify which ones have vulnerable ports
  4. Of these vulnerable colleges, identify what percentage of them are "liberal arts" or "non-technical"

# Vulnerability Criteria - Norse Corp

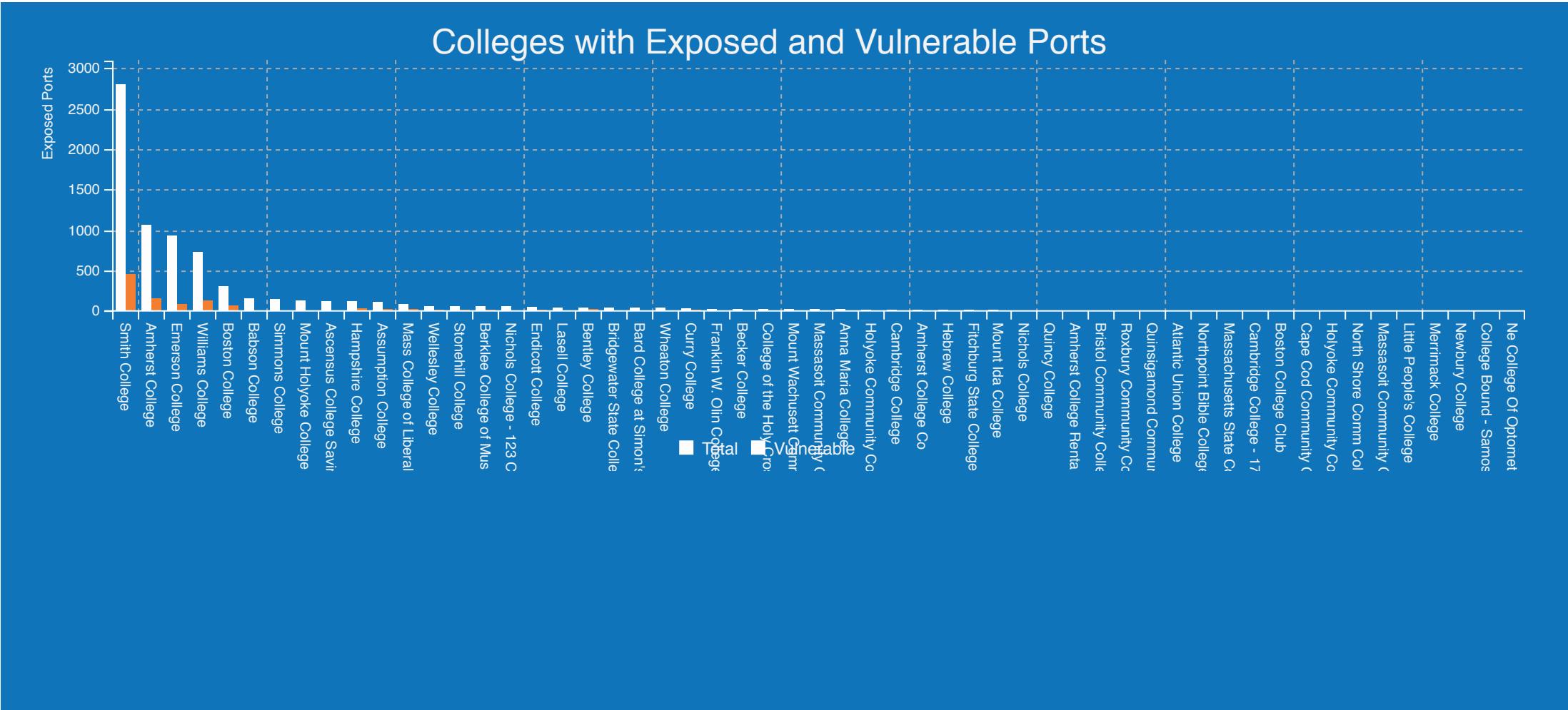


- 25 (SMTP)
- 23 (Telnet)
- 5900 (VNC)
- 8080 (HTTP)
- 445 (MS Active Directory)
- 3389 (MS Terminal Server)
- 50864 (XSAN FS?)
- 123 (Network Time Protocol)
- 53413 (XSAN FS?)
- 1433 (MS SQL)
- 22 (SSH, Included by us)



# Vulnerability Analysis - Node.js & D

# Results



# Conclusions

- **Hypothesis Proven**
- All of the exposed colleges were liberal arts
- 9 of the top ten colleges were vulnerable
  - 90% of all colleges were vulnerable

# Future Work

- Expand to other states
- Assess most frequent vulnerabilities
- Assess actual risk of vulnerable ports

## Shodan Blog

The latest news and developments for Shodan.