

**RISK MITIGATION**

**PRIVACY**

**EQUITY**

**INFRAST-  
RUCTURE**

**SPARC\***

# SOLUTIONS ROADMAP

## RISK MITIGATION

Each academic institution can take immediate steps to mitigate risks posed by data and analytics.

- Conduct a Data Inventory
- Establish Campus-Wide Coordination Mechanisms
- Revise Privacy and Data Use Policies

## STRATEGIC CHOICES

Institutions must analyze the pros and cons of data and analytics based on the local culture, values and risk tolerance.

- Artificial Intelligence vs. Human Decision Making
- Qualitative vs. Quantitative Evaluation Metrics
- Knowledge Sharing vs. IP Exploitation

## COMMUNITY ACTIONS

Institutions can work together to take community-based, structural actions to retain and regain control of their data infrastructure.

- Build or Acquire Core Infrastructure
- Establish Community Governance
- Collective Negotiations and Common Contracting Terms

**Data analytics is spreading fast on campus, affecting the teaching and research missions of institutions.**

**Vendors and advocates have promoted the benefits of analytics, artificial intelligence, and algorithms.**

**However, there has been limited discussion of the possible downsides for privacy, equity and control over infrastructure.**



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