WHAT IS A DATA COMMONS?
Open knowledge repository that co-locates data from a variety of sources and curates data insights for governments and community stakeholders.

• Provides data, indicators, indices, case studies, and training
• Analyzes impact from social, economic, and health trends and major events
• Enables ongoing learning from data
• Addresses issues of concern, for example, food insecurity, equity, lack of affordable housing

MOTIVATION
To inform equitable and sustainable growth in Virginia and the National Capital Region.

KEY FEATURES
• Data sources and metadata
• Collected and created measures
• Composite metrics
• Maps reflecting multiple geographies

DATA COLLECTION
Our team creates novel datasets from linked data that are available at geographical areas over time

• Collected data from 20+ sources
• Created 50+ derived indicators and indices
• Focused on 9 policy areas

Uses a variety of data acquisition and creation methods:
• APIs
• Webscraping
• Modeling
• Spatial linkage

DATA ARCHITECTURE

HEALTH, BEHAVIOR, AND DIET

DIGITAL COMMUNICATIONS

BROADBANDNOW

EDUCATION AND TRAINING

POPULATION CHARACTERISTICS

ECONOMIC WELLBEING

TRANSPORTATION AND HOUSING

DATA INTERFACE

FUTURE STEPS
• Refine development of new measures and metrics
• Release open-source datasets and tools
• Engages stakeholders in the development of metrics
• Expand the research to lower geographical coverage

MEDIA COVERAGE
AS NOVA BOOMS, UVA BIOCOMPLEXITY INSTITUTE WORKS TO SUPPORT COMMUNITY’S WELL-BEING

UPCOMING PRESENTATIONS

DATA ARCHITECTURE