Meeting Agenda

REMARKS BY COMMITTEE CHAIR

ACTION ITEMS
A. Bicentennial Professorship in Politics
B. New Degree Program: Bachelor of Science in Data Science
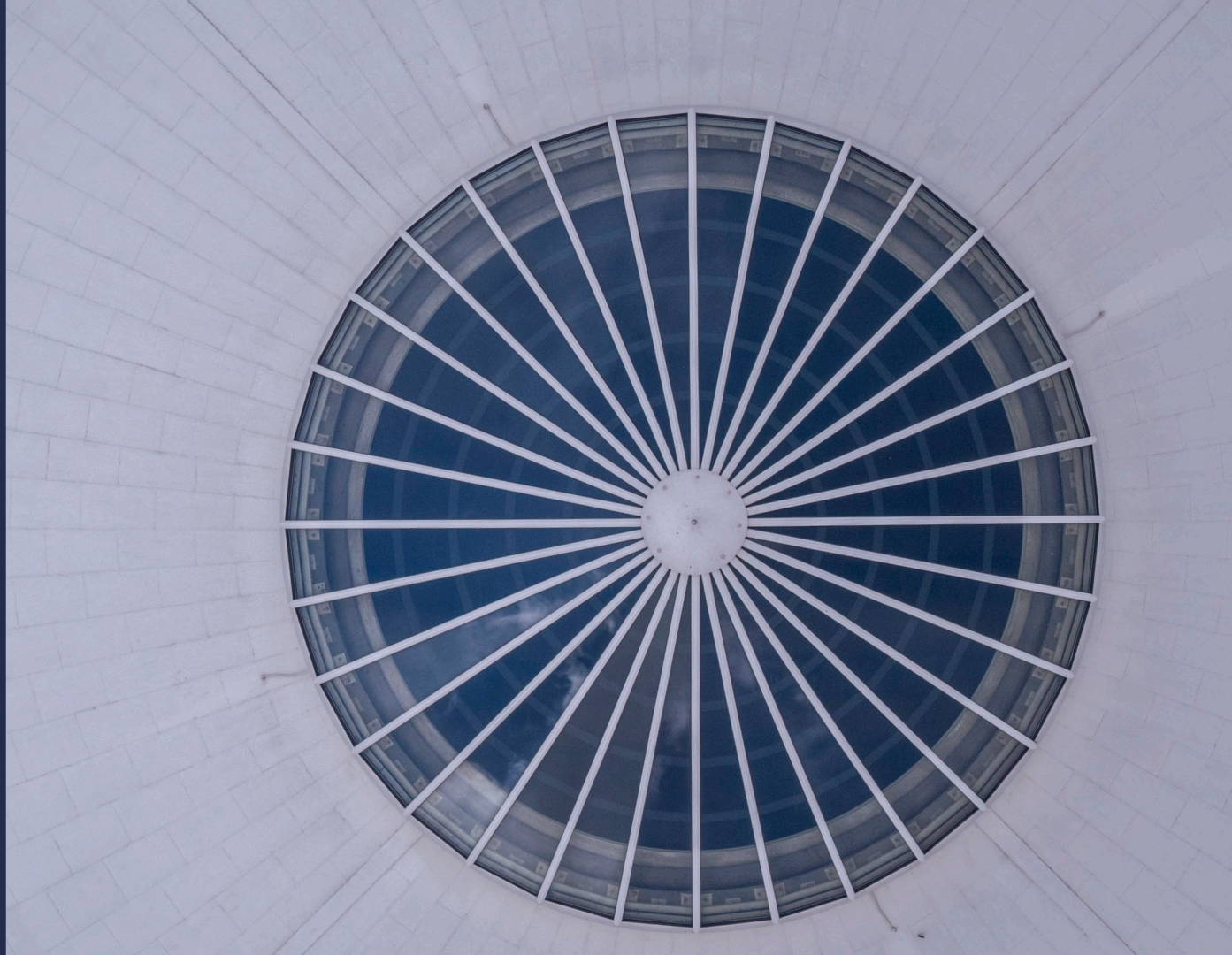C. Enrollment Projections

EXECUTIVE VICE PRESIDENT AND PROVOST REMARKS
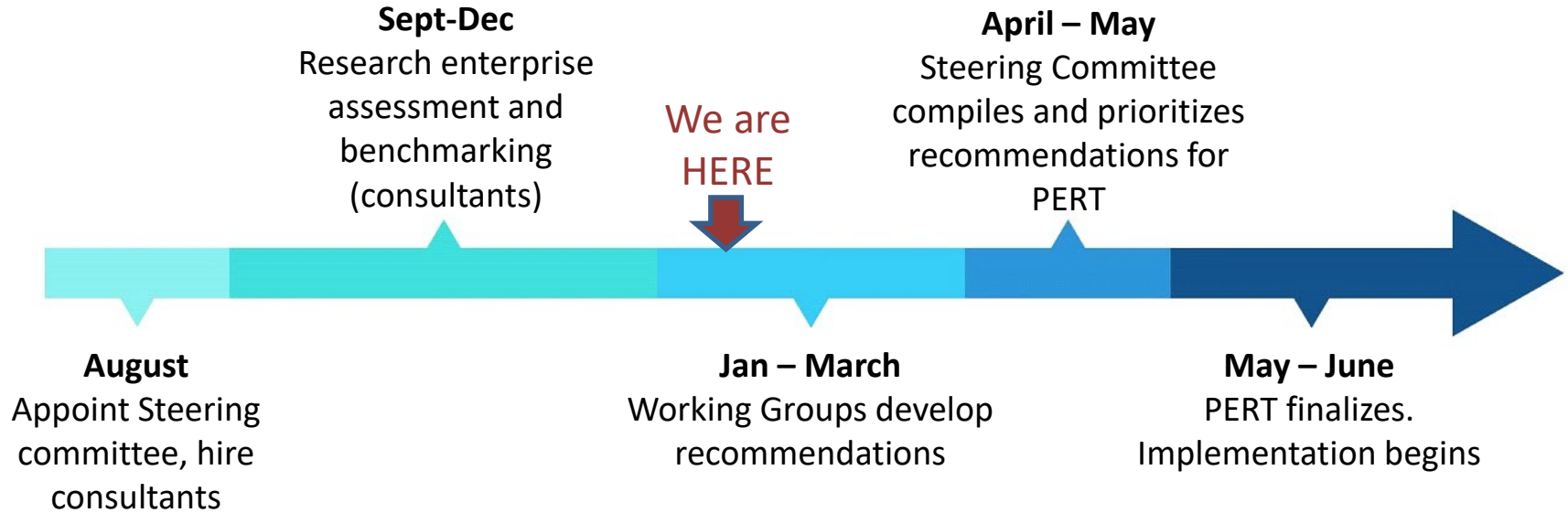
DISCUSSION ITEMS
A. Introduction of New Dean of the School of Continuing and Professional Studies
B. The School of Data Science in Perspective

UVA | Office of the Executive Vice President and Provost

Provost Remarks

Ian Baucom

STRATEGIC RESEARCH INFRASTRUCTURE INITIATIVE

Sept-Dec
Research enterprise assessment and benchmarking (consultants)

We are HERE

April – May
Steering Committee compiles and prioritizes recommendations for PERT

August
Appoint Steering committee, hire consultants

Jan – March
Working Groups develop recommendations

May – June
PERT finalizes. Implementation begins

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ONGOING WORK

- Baseline assessment & benchmarking
  - High growth in total research expenditures
  - Federal funding below peers
- Modeling growth
  - More faculty, postdocs, and research space
- Measuring success
  - Both qualitative and quantitative excellence

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UVA SCHOOL OF CONTINUING AND PROFESSIONAL STUDIES

Melissa M. Lubin, Dean

UNIVERSITY *of* VIRGINIA | SCHOOL *of* CONTINUING *and* PROFESSIONAL STUDIES
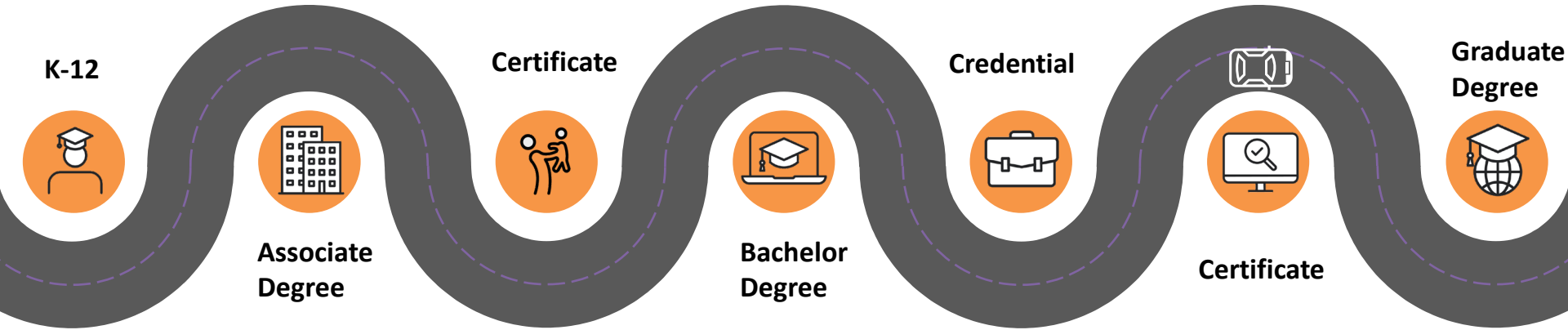
WHAT WE DO

UVA SCPS students at Final Exercises in 2022.

The **School of Continuing and Professional Studies** brings a UVA education to nontraditional students, no matter where they are in life or in the world.

Our programs are primarily **online**, and our students are often juggling the demands of family and work. The school offers **two undergraduate degree completion programs**, a **masters in public safety**, as well as a full slate of **certificate programs** and **career accelerators**.

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Not all Educational Journeys are Alike…

K-12

Certificate

Credential

Graduate Degree

Associate Degree

Bachelor Degree

Certificate

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WHO WE ARE

- **1000 + students** enrolled degree, certificate and career accelerator programs

- Primarily **Virginians**, but also come from every corner of the country

- **10 percent** are veterans, rising to **16 percent** when active-duty military and dependents are included

Matriculated Students by Age (2018-2022)	
25 and under	6%
26 to 35	30%
36 to 45	31%
46 to 65	32%
66 and older	1%

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MEET TWO OF OUR GRADS

UVAToday

CLASS OF 2022: WHY IS SHE GETTING HER BACHELOR'S? 'I NEEDED TO DO THIS FOR ME'

The Daily Progress

New Charlottesville police chief says UVa education will guide his work

DEGREE PROGRAMS

Bachelor of Interdisciplinary Studies

- Concentrations in Business, Technology, Liberal Arts, Psychology, and more
- **250 +** students
- **Our students graduate at double the national average**

Bachelor of Professional and Healthcare Management

- For entry and advancement in Healthcare careers

Master of Public Safety

- Launched in 2021
- **130 students** in the program
- **FBI National Academy** and **National Criminal Justice Command College** certificates stack

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CERTIFICATES

12 certificate programs designed for students who want to
upskill, reskill and career switch

- Accounting
- Certified Financial Planning
- Cloud Computing
- Cybersecurity
- Healthcare Management
- Human Resources

- Information Technology
- Leadership
- National Criminal Justice Command College
- Procurement and Contracts Management
- Project Management
- Public Administration

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NEW MODELS FOR TODAY'S NEEDS

Adult learners need options. We meet students where they are.

UVA Edge

- This program, launched in partnership with the College of Arts & Sciences, gives students with little-to-no college experience an opportunity to earn 20 UVA credits and develop digital skills.

Custom Programs for Business and Government

- The School creates and administers education and training programs custom-built for private and public partners.

Post Baccalaureate Pre-Medical Program

- This 11-month residential programs helps students with an undergraduate degree prepare for medical school. Its medical school acceptance rate is **95 percent**.

Guaranteed Interview Program

- A new program launched in 2022 offers **guaranteed job interviews** with private partners to certificate students in certain programs.

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PRIORITIES FOR 2023

Investing In

People

Partnerships

Programs

Process

New School,
New Home

A "School Without Walls"

By the Numbers

STORIES	SQUARE FEET	COLLABORATIVE WORK SPACES	CLASSROOMS FOR UP TO 45 PEOPLE
4	61,122	20	2

RECORDING STUDIOS	TOTAL CAPACITY	SUPPORT FROM CAPITAL ONE'S CENTER FOR MACHINE LEARNING	CLASSROOMS FOR UP TO 75 PEOPLE
2	1,873	$2M	2

What Is Data Science?

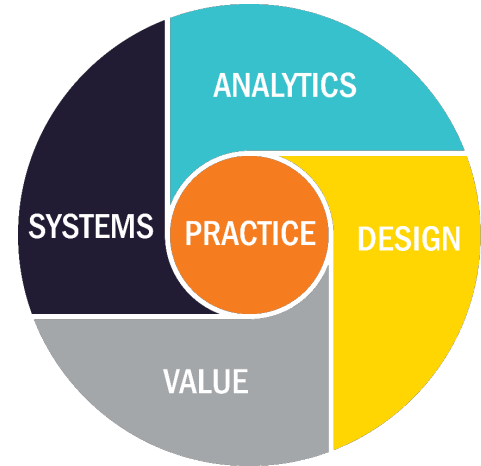*The analysis of data to improve the human condition*

Analytics – making sense of the data

Design – creatively communicating data for all audiences

Systems – retrieving, organizing, storing, and securing data

Value – thinking critically about data's impact and intent

Practice – data science in action and at scale

Data Science Discovery

Trustworthy Tech

Sheng Li

Sports Performance

Natalie Kupperman

Ethical AI

Renée Cummings

Health Equity

Paul Perrin

Data Science for the Common Good

Catalyze

discovery through
innovative and
interdisciplinary research

Educate

responsible practitioners
in an increasingly
data-driven society

Serve

the world by using
data science to advance
the common good

Data Science in Demand

- **Anticipated 31% growth** over next decade resulting in 10,000 new jobs for data scientists

- **Top five fastest growing jobs** include machine learning engineer and artificial intelligence specialist

* U.S. Bureau of Labor Statistics Jobs On the Rise

Demand Across the Commonwealth

- Rapidly growing tech corridors in Northern Virginia and the Norfolk/Richmond areas means the **demand for data scientists will continue to grow** throughout the Commonwealth.

- Northern Virginia currently has the **third highest number of employed data scientists in the country**, only behind San Francisco and New York City.

- The District of Columbia has a higher concentration of employed data scientists as compared to the national average – more than anywhere else in the country.

- There are **38,909 data science-related job postings in VA** as of today (LinkedIn Jobs).

Data Science Minor

Since its 2020 launch, the Data Science Minor has continued to grow in popularity.

- **Current Enrollment:** 479 students from across 54 majors and every school across Grounds that offers an undergraduate degree

- **Curriculum:** Interdisciplinary minor requiring five courses, three from the School of Data Science, in programming, systems, design/value, analytics, and application of data science

B.S. in Data Science

- **Credits:** 120-credit hours, including 41 credits of general education requirements, 40 credits of core coursework, and at least one 9-credit concentration.

- **Curriculum:** The program will educate students in the four pillars of data science: Analytics, Systems, Value, and Design

- **Prerequisites:** Students will complete six credits of prerequisite coursework in foundational data science and programming

Supporting Lifelong Learning

- **Ph.D. in Data Science**

- **M.S. in Data Science** (residential and online formats)

- **Dual Degrees** (MD, MBA, GSAS-PhD)

- **Minor in Data Science**

- **Professional Programs** (Non-Degree)

Employment Statistics

MSDS RESIDENTIAL CLASS OF 2022
(*based on 83% reporting)

98%
EMPLOYED

4%
PURSING FURTHER EDUCATION

$103,000
AVG. BASE STARTING SALARY

$70-135K
SALARY RANGE

MSDS ONLINE CLASS OF 2022
(*based on 82% reporting)

98%
EMPLOYED

56%
TRANSITIONED TO A NEW CAREER

$118,000
AVG. BASE STARTING SALARY

$62-225K
SALARY RANGE

Sample Hiring Companies

Accenture
Bain & Company
Bank of America
Booz Allen Hamilton
CarMax
Capital One
CCRi
CIA
Chewy
ComScore
Deloitte
Department of Defense
Deutsche Bank
EY

FanDuel
Fannie Mae
Federal Reserve Board
Global Risk Intelligence
Green Bay Packers
Health IQ
HumanGeo
IBM
KPMG
LMI
Los Angeles Dodgers
McKinsey & Company
Merkle
MITRE

Morgan Stanley
National Institutes of Health
Naval Surface Warfare Center
Nielsen
Northrop Grumman
Oracle
Otter.ai
Palantir
Procter & Gamble
PwC
Radius
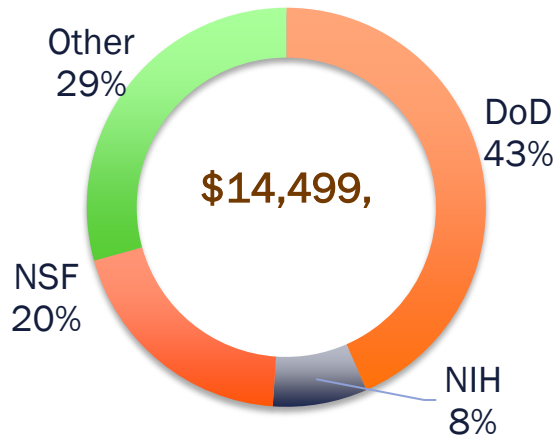Red Hat
S&P Global Market
  Intelligence

Sacramento Kings
Spectrum
Tranzlogic
UVA Health System
USA Today
VDOT
Verisk
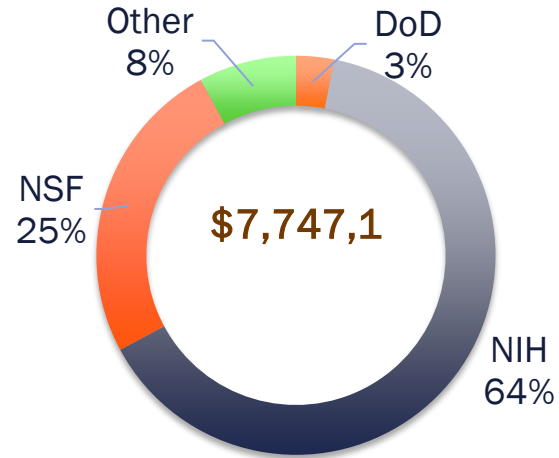Viacom
Wells Fargo
Workday
Zipline

Research Discovery

Democracy

Education

Research

Business

Cybersecurity

Health & Medicine

Environment

Research Funding

Recent SDS Proposals

Other
29%

DoD
43%

$14,499,

NSF
20%

NIH
8%
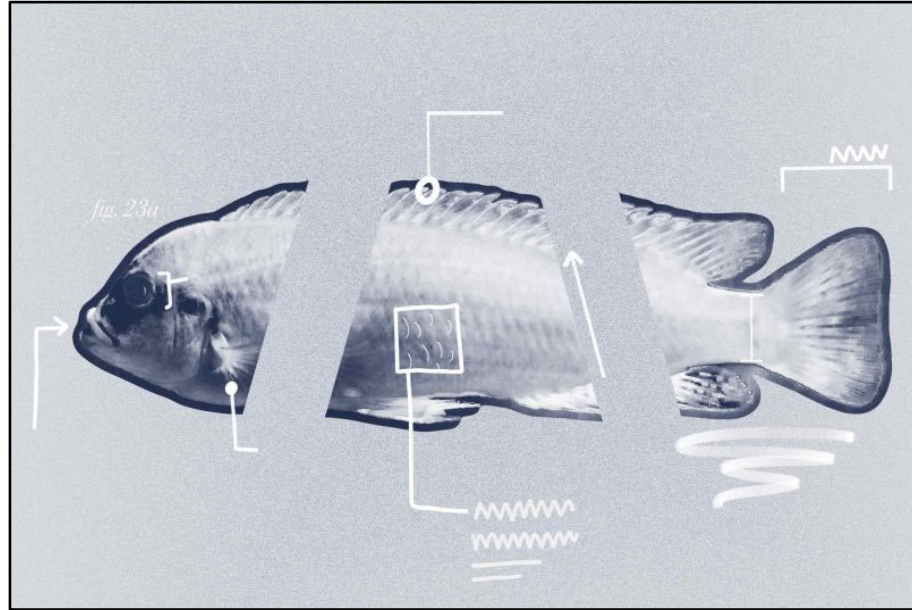
Current SDS Awards

Other
8%

DoD
3%

NSF
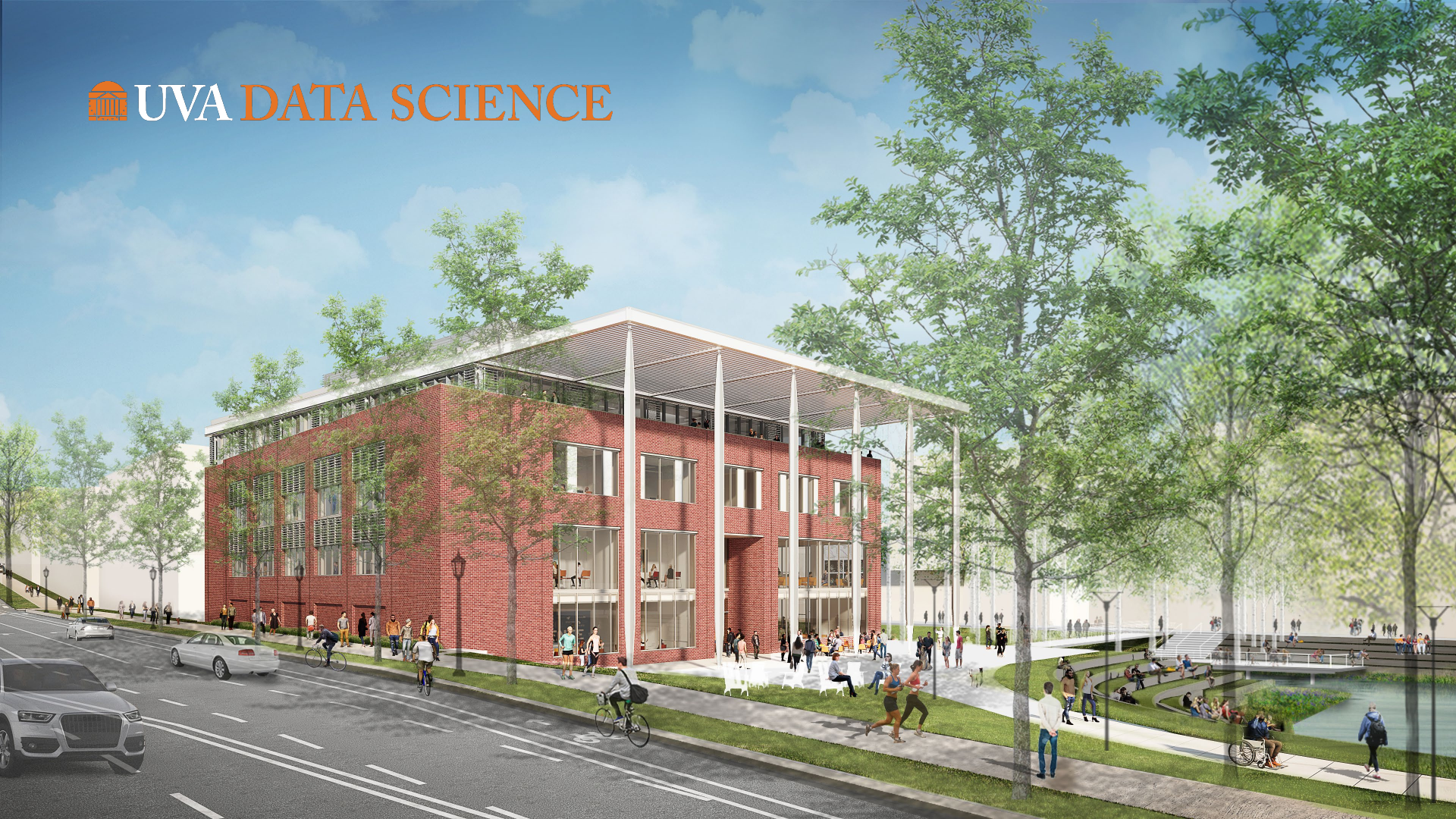25%

$7,747,1

NIH
64%

KEY
NSF: National Science Foundation
NIH: National Institute of Health
DoD: Department of Defence

'Fish-ial' Recognition