The Ohio State University’s Translational Data Analytics Institute advances data science and analytics by fostering a diverse, inclusive community of innovators who utilize big data for good and prepare students for success. Presented here are key accomplishments from July 1, 2017, through December 31, 2018.

**MISSION FOCUS**

**Research and innovation**
> Launched four Communities of Practice to define interdisciplinary team science agendas for TDAI in the areas of smart/connected communities, complexity, data foundations, and biological/life sciences.

**Outreach and engagement**
> Launched an annual five-day Data Science for Women Summer Camp aimed at increasing interest in and familiarity with data science and analytics for 30 middle- and high-school women and minorities.
> Hosted and sponsored 23 events that brought together students, faculty, staff, and industry partners. Among these: Data Analytics Month, Provost Lecture Series with DJ Patil, faculty networking events, Pomerene opening events, Florence Nightingale Day, and an NSF workshop.

**Teaching and learning**
> Engaged faculty from Statistics, Design, Computer Science and Engineering, and the Graduate School in design of new curriculum for the PSM.
> Fostered partnership with the Business – Higher Education Forum to guide development of curriculum, recruitment strategies, and industry engagement models for the PSM.
> Launched an online Data Analytics Road Map designed to help current and future students explore educational and career options in data science and analytics.
FACULTY TALENT

Faculty engagement
> Developed dual membership models aimed at engaging faculty who are heavily involved in data analytics and those who are new to the field.
> Piloted a new interdisciplinary training program designed to improve research communication among 25 faculty within TDAI, Chronic Brain Injury, and InFACT.
> Engaged faculty from five colleges in listening sessions to solicit input and strategic planning considerations for the faculty director search.
> Developed a mobile app with Aruba / HPE for Pomerene Hall that gives faculty instant access to TDAI facilities information, news, and educational opportunities.

Talent recruitment
> Recruited three junior faculty in Biomedical Informatics; Food, Agricultural and Biological Engineering; and Evolution, Ecology and Organismal Biology, bringing the total number of hires since 2015 to 56.

FINANCIAL PERFORMANCE

Competitive grants
> Secured $800K, multi-university National Science Foundation (NSF) Big Data Spoke award to use community-driven data engineering to combat the opioid epidemic in rural Midwest.
> Submitted a NSF Convergence in Harnessing the Data Revolution proposal ($1M over three years) with faculty expertise from 12 research disciplines.
> Leading development of $100M National Institutes of Health and Substance Abuse and Mental Health Administration: Optimizing HEALing in Ohio proposal, partnering with government and multiple disciplines, universities, and community partners.
> Developing five additional research proposals valued at $17M and focused on high performance computing solutions, opioid addiction, smart and connected health solutions, and computational imaging decision support.

Strategic partnering
> Led roundtable discussion with leaders from more than 30 organizations, including industry, government, and nonprofits on the design of a new Professional Science Master’s (PSM) in translational data analytics geared toward early-career professionals.
> Collaborating on PSM curriculum and sustainability options with the departments of Computer Science and Engineering, Design, and Statistics, and the Advanced Computing Center of Arts and Design.

Philanthropic support
> Secured a 10-year, $2M partnership with Aruba / Hewlett Packard Enterprise that includes creating a living laboratory for Internet of things research and teaching.
> Secured $20,000 in grants and a $5,000 gift from Women in Analytics to support two years of programming for the Data Science for Women Summer Camp.
> Cultivated additional industry partnerships valued at more than $2.5M that will be invested into students, faculty, and outreach efforts.

GROWTH AND POSITIONING

Staff talent recruitment
> Hired three professional staff to lead new TDAI efforts in special events, space planning and building coordination, and technology implementation.

Resource stewardship
> Established new revenue stream for TDAI with development of rental policies, rates, and procedures for Pomerene Hall spaces.

> Garnered support from four career offices and the offices of Legal Affairs and Business and Finance to design a new flexible internship model that is responsive to changing industry needs.
> Partnered with OCIO on a multi-year service model aimed at providing on-site IT support for TDAI and its faculty, including security assessment and contingency planning.
> Completed renovation of 21,000 square feet of research and teaching space in Pomerene Hall for TDAI’s 150+ faculty affiliates and their projects teams / collaborators.
> Piloted a Shared Services consulting space with OCIO, Ohio Supercomputer Center, Libraries, and TCO to help researchers, students, and staff explore resources and solutions for data science and analytics projects.

Demonstrated leadership

Reputation and visibility
> Created and distributed a first-of-its-kind video documenting data analytics undergraduate students and their reason for choosing Ohio State.
> Debuted an interactive video wall in Pomerene Hall to share news, events, and opportunities across campus.
> Utilized TDAI’s spaces to host more than 20 events serving 350 alumni, donors, faculty, community members, and students, including the Board of Trustees; Alumni Association; Ohio State Retirees Association; Big Data and Analytics Association; and the offices of Diversity and Inclusion, Research, and Academic Affairs.

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