THE DATA MINE
INTEGRATIVE DATA SCIENCE INITIATIVE
AND LEARNING COMMUNITIES
What is The Data Mine?

- Living, learning community for 600+ students in Hillenbrand Hall
- All backgrounds and majors welcome:
  - Data Science for All!
- Learning data science skills
- Data sets at modern complexity and size
- Supportive, active learning environment
Office hours with faculty and grad students in the residence hall lounges!
Specialty Cohorts

- Actuarial Science
- Agriculture
- Analyzing Digital Gaming and Culture
- Biology
- Computational Investigation of Living Systems (Biophysics)

• Corporate Partners
- Data Visualization
- Discoveries in Chemistry
- Earth, Atmospheric, and Planetary Sciences
- Human Development and Family Studies
- Krannert (Management)
- Nursing
- Pharmacy and Drug Discovery
- Physics
- Public Health
- Regenstrief Center for Healthcare Engineering
- Sports Analytics
- Statistics
- Vertically Integrated Projects
Corporate Partners

- 2020-21: 350 undergraduate and 100 graduate students working on 30 projects from 23 Corporate Partners
- Students work 8-10 hours per week for academic credit or pay
- Data from industry partners and meaningful projects
- Mentoring by experts in industry and academia
- Full academic year long projects (August – May)
- Peer mentoring positions for 2nd, 3rd, 4th year
- Paths to internships and permanent employment

Student visit to Ford in Michigan, Fall 2019

Student visit to Rolls-Royce in Indianapolis, IN, Spring 2020
2020 - 2021 Corporate Partners

[Logos of various companies]
Understand Data and Make It Mine

The first large-scale living learning community for undergraduates from all majors, focused on Data Science for All. Hillenbrand Hall has an 800-student capacity. It is filled with new learning communities of students preparing for the data-driven workforce of the 21st century.
KEY GOALS FOR 2020-21

- Integrate The Data Mine opportunities into all college curricula
- Involve more faculty in Corporate Partnerships
  - as mentors for undergraduates
  - as domain experts
  - to bolster their research and their partnerships
- Support ongoing university relationships w/Corporate Partners
- Help establish new partnerships for Purdue
- Support external grants / funding initiatives
THE DATA MINE

Email: datamine@purdue.edu
Website: https://datamine.purdue.edu
Meet us: https://calendly.com/datamine