

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



The Data Mine Staff

Dr. Mark Daniel Ward

Director



Ellen Gundlach

Managing Director



Maggie Betz

Corporate Partners
Senior Manager



Kevin Amstutz

Instruction Specialist
/ Data Scientist

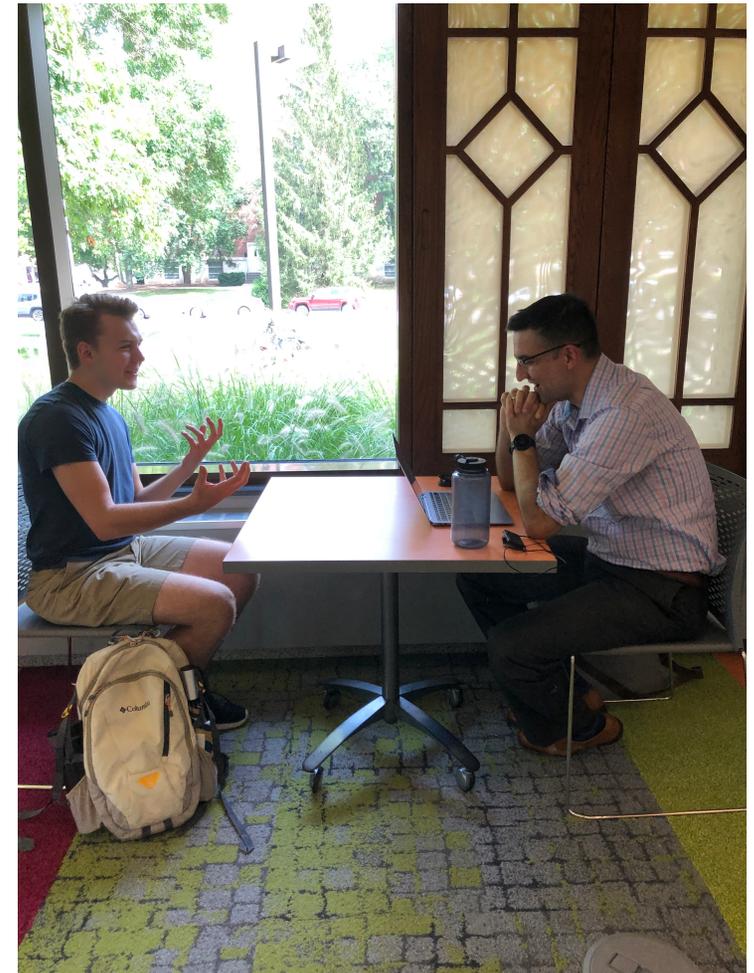
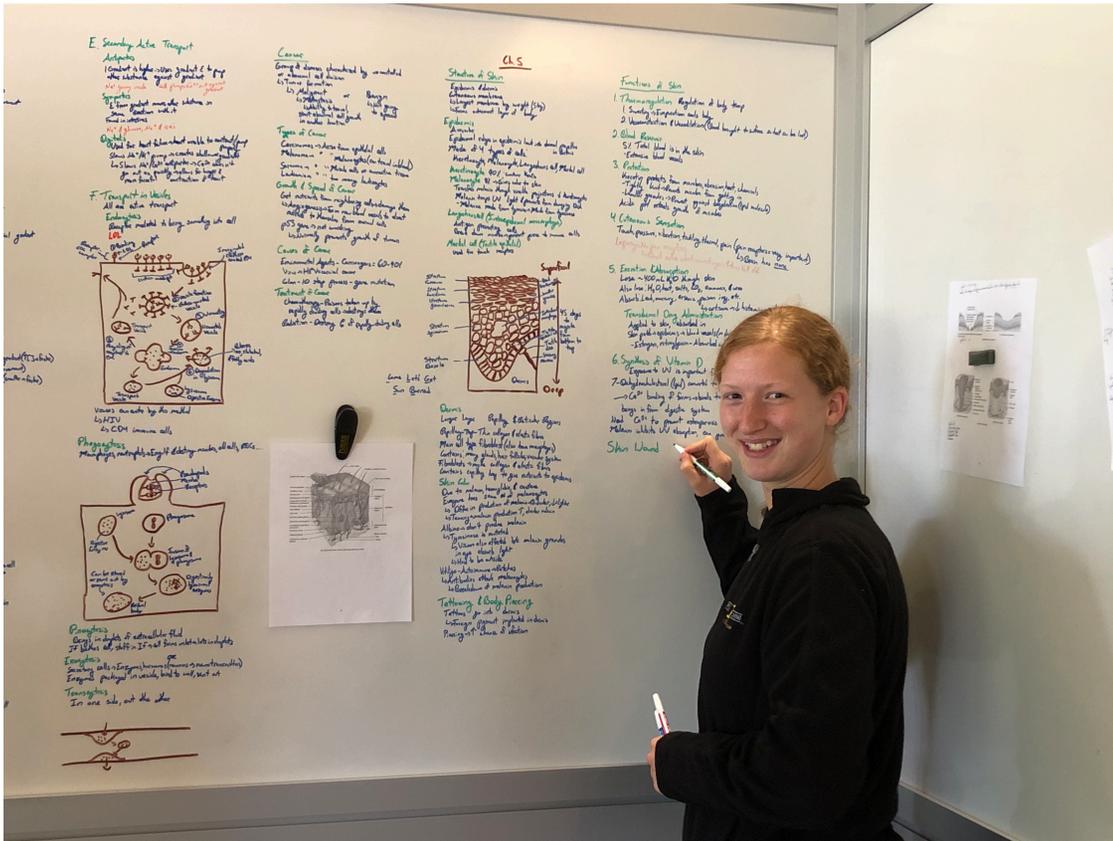


Weekly Seminar



datamine.purdue.edu > Education > STAT 190 or 290 or 390 or 490

Flipping the Mentoring Model



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



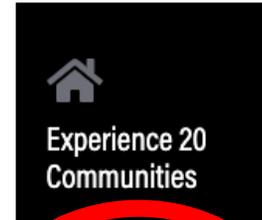
Student visit to Ford in Michigan, Fall 2019



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

2020 - 2021 Corporate Partners





STAT 19000 seminar

STAT 29000 seminar

STAT 39000 seminar

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>