Virginia Tech
New Faculty Welcome

AUGUST 18, 2022
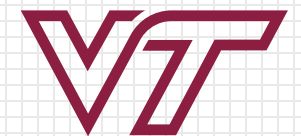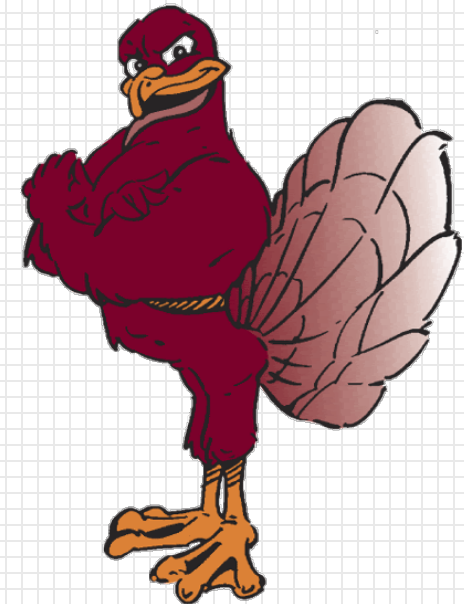
Virginia Tech Faculty Affairs
https://faculty.vt.edu

- **Our Vision**: Virginia Tech is a thriving community of world-class faculty and scholars.

- **Mission**: We cultivate and enable a campus and an environment that fully and transparently supports the professional success and well-being of all Virginia Tech faculty. We are a proponent for and supporter of programs, policies, and procedures that promote: scholarly excellence; faculty recruitment and retention; diversity, equity, and inclusion; professional growth; work/life balance; personal satisfaction; and faculty recognition.

- **Major Areas of Responsibility**
  - Recruitment, appointment, advancement, and retention
  - Professional growth, mentoring, leadership development, and faculty excellence
  - Academic life, job satisfaction, work/life balance, honorifics and recognition

Supporting Faculty Success ◆ Enabling Faculty Excellence

VIRGINIA TECH

Path to Promotion:
Discovery, Learning, and Engagement

- Tenure-track and Tenured

- Continued Appointment

- Collegiate Professors

- Instructors

- Clinical Professors

- Professors of Practice

- Research Faculty

Supporting Faculty Success ♦ Enabling Faculty Excellence
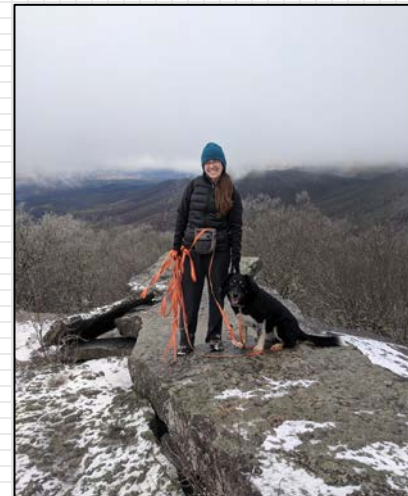
VIRGINIA TECH.

Professional Development Opportunities

- **Provost's Office & Faculty Affairs**
  - https://www.provost.vt.edu & https://faculty.vt.edu

- **Office of Research and Innovation**
  - https://www.research.vt.edu/professional-development.html

- **Center for Excellence in Teaching and Learning**
  - https://teaching.vt.edu

- **Networked Learning Initiatives (NLI)**
  - https://profdev.tlos.vt.edu

- **Talent Development, Division of Human Resources**
  - https://www.hr.vt.edu/talent-development.html

Supporting Faculty Success ◆ Enabling Faculty Excellence

VIRGINIA TECH.

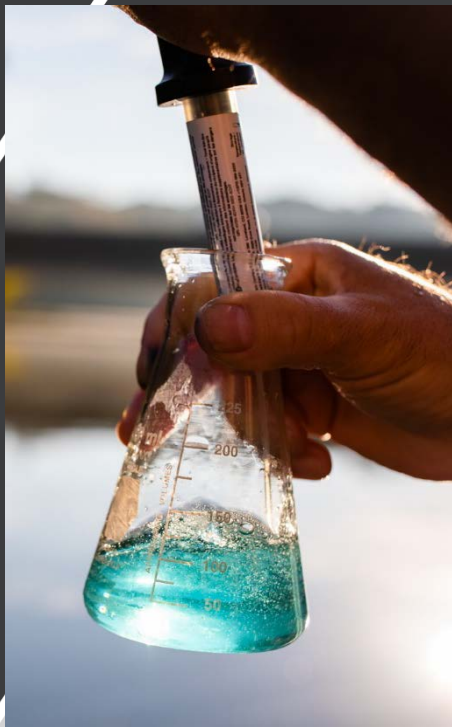# Faculty Work-Life Policies
https://faculty.vt.edu/faculty-work-life-policies.html

- Tenure clock extension

- Modified duties

- Part-time employment

- Dual career

- Childcare

- Lactation support

- Retirement support

Supporting Faculty Success ♦ Enabling Faculty Excellence

VIRGINIA TECH.

Research and Innovation at Virginia Tech

August 2022

RESEARCH AND INNOVATION
VIRGINIA TECH.

Roles and responsibilities

The Office of Research and Innovation bolsters the research enterprise through research services, support, and execution that help faculty, staff, and students plan, perform, and commercialize groundbreaking research.

- Catalyze growth through vision, guidance, and coordination

- Champion research programs and capabilities

- Provide institutional support for faculty to organize strategic research efforts

- Create and grow holistic industry-university partnerships

- Translate research discoveries into commercial products

- Support state-of-the-art infrastructure and accreditations

- Maintain the highest standards of research integrity

- Deliver effective and efficient research administration

Office of Research and Innovation: Structure

BUSINESS UNITS

- Animal Resources and Care
- Innovation and Partnerships / LINK + LICENSE + LAUNCH
- Postdoctoral Affairs
- Research Computing
- Research Development
- Scholarly Integrity and Research Compliance
- Sponsored Programs
- Strategic Research Alliances

OPERATIONS UNITS

- Electronic Research Administration
- Export and Secure Research Compliance
- Human Resources
- Information Technology
- Finance
- Marketing and Communications

INVESTMENT INSTITUTES

- Fralin Life Sciences Institute
- Institute for Critical Technology and Applied Science
- Institute for Creativity, Arts, and Technology
- Institute for Society, Culture, and Environment

EXTRAMURALLY FOCUSED INSTITUTES AND CENTERS

- Fralin Biomedical Research Institute
- Virginia Tech National Security Institute
- Virginia Tech Transportation Institute

INITIATIVES

- Commonwealth Cyber Initiative

Dive Deeper

SPECIAL RESEARCH SESSION

- Tomorrow, August 19

- 10:30 am – 12:30 pm

LEARN ABOUT

- Tools for finding and securing funding

- Support for planning and proposing research

- Compliant and ethical research support

- Maximizing impact of your results

Center for Excellence in Teaching and Learning

teaching.vt.edu

We help faculty…

Improve student learning using research-based instructional practices

Enhance student success at VT and beyond with student-centered design practices

Be recognized and celebrated for innovation and excellence in teaching

Pedagogy	Student-Centered Design	Educational Research	Recognition
Workshops	Experiential Learning Academy	Grant Support	External Awards
Online Resources	Focus Groups	Focus Groups	Internal Awards
Certificates	Consulting	SoTL Support	• Departments
• Effective Teaching	Collaborations	• Online Resources	• Faculty
• Experiential Learning	• Colleges & Departments	• Workshop Series	Academy of Teaching Excellence (ATE)
Faculty Teaching Groups	• Pathways	• Writing Retreats	Diggs Teaching Scholars
• Grants for teams	• FYE	University Initiatives	Thank-A-Teacher
Class Observations	Institutes & Retreats	Conferences	Conferences
Mid-semester Feedback	Grants	• Higher Education Pedagogy	Faculty Spotlight
Consulting			

Teaching Tool Kit

Course & Program

Teaching as Research

Celebrate Excellence

VIRGINIA TECH

Services and Support Across Levels of Teaching Proficiency

Center for Excellence in Teaching and Learning

teaching.vt.edu
teaching@vt.edu

Novice: Developing plans for learning, classroom presence, communication, teaching fundamentals, grading, confidence

Advanced Beginner: Aligning learning goals to activities and assessment, integrating more active pedagogies, building interactive rapport, developing efficacy

Competence: Comfort with classroom management, articulates alignment of learning goals with activities and assessment, proactive student communication, beginning use of reflective practice and intentional selection of pedagogical practice for enhanced student learning

Proficiency: connects course with curriculum, integrated more advanced pedagogical methods, analyzes student learning formatively and makes real-time adjustments, differentiates instruction, engages in reflective practice

Mastery: Demonstrates a teaching self-awareness, reinvent courses and learning activities building on learning success, innovates and shares innovation and learning with others

Workshops, Certificates, Consultations, Observations

Communities of Practice, Grants, Entry-level awards, Consultations, Observations

Grants, Awards, Presentation and Facilitation with others at VT and nationally, SoTL

Elements Faculty Activity System @VT

Elements Faculty Activity System
Serves Multiple Needs

- To serve as a repository for the curation and sharing of faculty activity
- To easily submit scholarly works to institutional open access repository
- To communicate expertise and potential for collaboration

Latest Developments

- Elements is used by most colleges for annual Faculty Activity Reports (aka EFARS)
- Integrated with VT's open access scholarly repository **VTechWorks** to facilitate submission of OA works (pre-prints, presentations, etc.)
- Elements records feed Virginia Tech Experts, public profile system for faculty https://experts.vt.edu

Elements Links and Resources

- Elements login: https://efars.provost.vt.edu/login.html
- Getting Started with Elements: https://faculty.vt.edu/efars/getting-started.html
- Elements workshops offered through the Technology Enhanced Learning and Online Strategies Professional Development Network (TLOS PDN) https://profdev.tlos.vt.edu
- For more information on Virginia Tech Experts, see the detailed Library Guide at https://guides.lib.vt.edu/VirginiaTechExperts

Publishing Support for Faculty

Peter Potter
Publishing Director
420 Newman Library
pjp33@vt.edu

VIRGINIA TECH PUBLISHING

Our Values

Virginia Tech Publishing started in 2017 but our history is rooted in a much deeper tradition. In 1989 the Scholarly Communication Project was established in Virginia Tech's Newman Library as a place to experiment with the technology to produce online scholarship in new and developing formats. In 2013-2014, Virginia Tech played a leading role in advancing the idea of a community dedicated to the field of library publishing, which resulted in the creation of the **Library Publishing Coalition**. In the years since then, the Library has continued to embrace the increasingly diverse products of research and scholarship, especially those that are more than just "paper online," including e-journals, interactive books, open educational resources, innovative digital projects, and audio visual materials.

In keeping with Virginia Tech's land grant mission, we believe in contributing the works we publish to the public commons through open access publishing while ensuring long-term access through the Library's preservation strategy. Our goal is to be the center of scholarly publishing activities and expertise at Virginia Tech and to raise the profile of VT scholarship.

publishing.vt.edu

We can help you:

➢ Find the right publisher for your monograph

➢ Prepare a book proposal

➢ Answer questions about copyright, permissions, & contracts

We also publish books, papers, reports, etc.
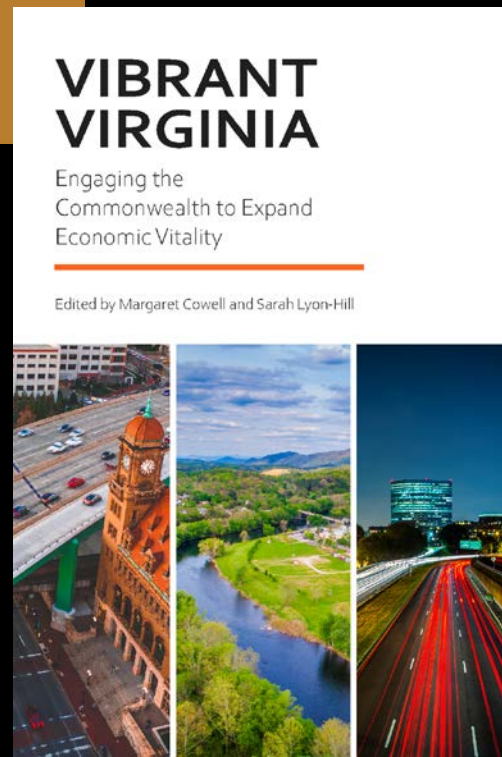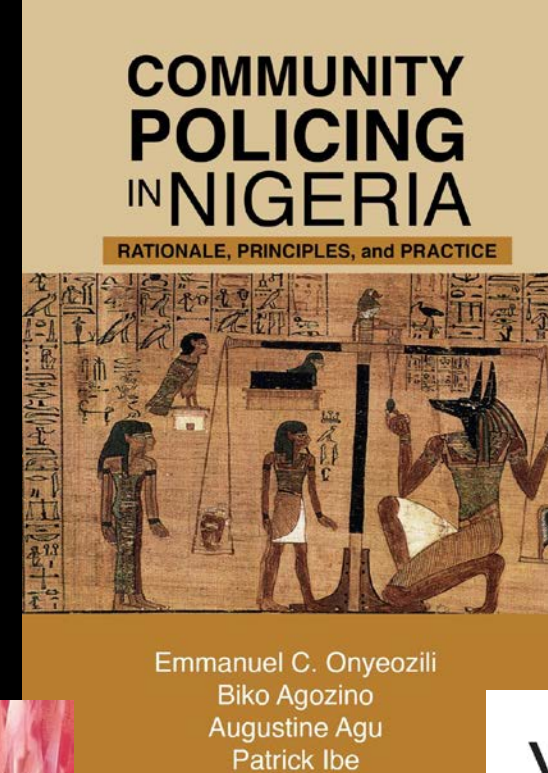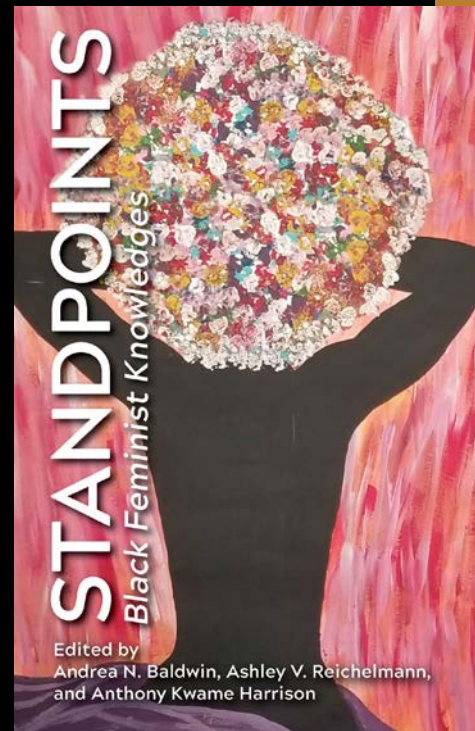
We can help you start a journal

- 13 active journals today
- 4 student journals

About this Journal

SEE is an international, open-access, peer reviewed journal that provides a venue for high-quality research conducted in all settings and contexts relevant to engineering education, with an emphasis on contextually rich reflective discussions of issues and approaches important to engineering education researchers and practitioners.

SEE focuses on interpretive research paradigms and invites a wide range of studies that help expand the body of knowledge in engineering education, including ethnographic, anthropological, phenomenological, and other forms of empirical research, as well as literature reviews and theoretical or conceptual articles that seek to frame critical issues in the field. Studies can be conducted in any context relevant to engineering education, including K-12, higher education, classroom settings, and the engineering workplace.

To support an intellectually vibrant vision of the field, SEE encourages rich and thorough descriptions of all aspects of research, including theoretical frameworks, epistemological underpinnings, researcher backgrounds and perspectives, impacts of contextual factors in data collection, research quality, and other appropriate aspects.

To promote dialogue among scholars, the journal also welcomes respectful and productive commentary & response pieces that engage individual articles and authors in deeper discussions of the implications of the work.

VIRGINIA TECH PUBLISHING

We can help you publish a web-based project

THE AMERICAN SOLDIER IN WORLD WAR II

View Project

The American Soldier project led by Professor Ed Gitre in the Department of History allows users to browse and search over 65,000 pages of uncensored, open-ended responses handwritten by servicemembers, view and download survey data and original analyses, read topical essays by leading historians, and access additional learning resources. The project began in 2015, in 2017 it received a National Endowment for the Humanities Division of Preservation and Access planning grant, and a second implementation NEH grant in 2019. The project launched in 2021 with support from many collaborators, including Virginia Tech University Libraries and Virginia Tech Publishing.

We can help you produce a podcast

We can help you create an open textbook
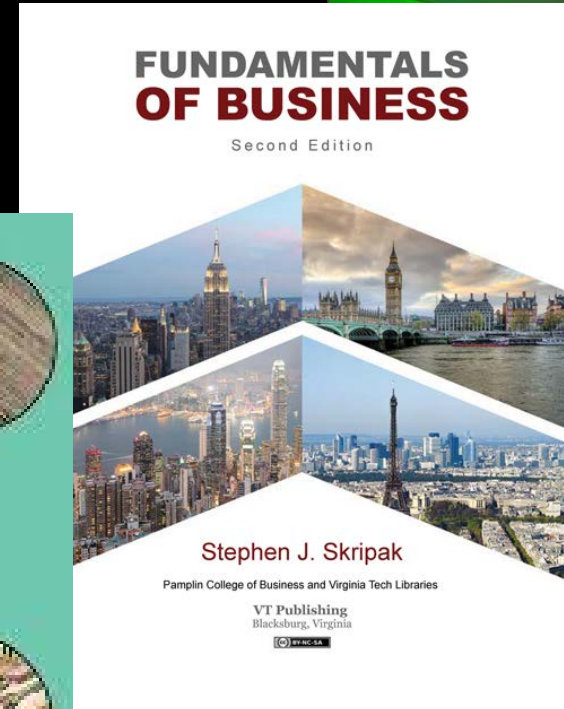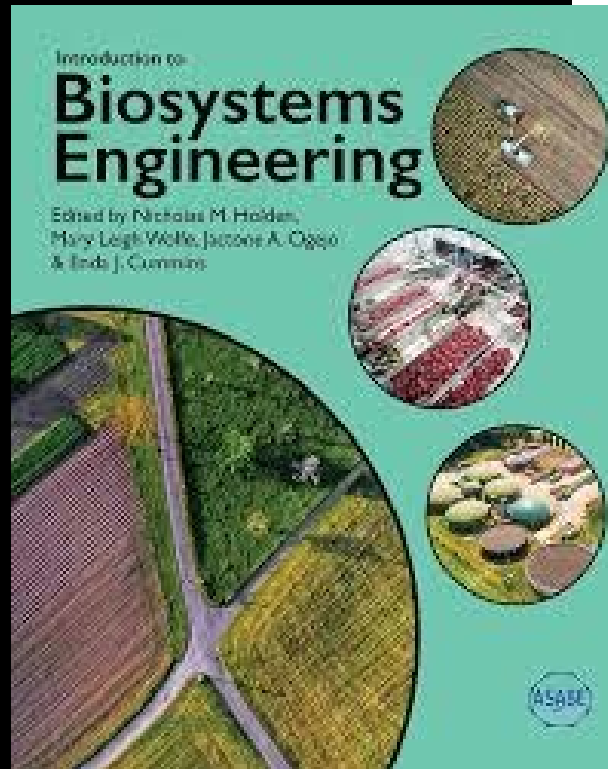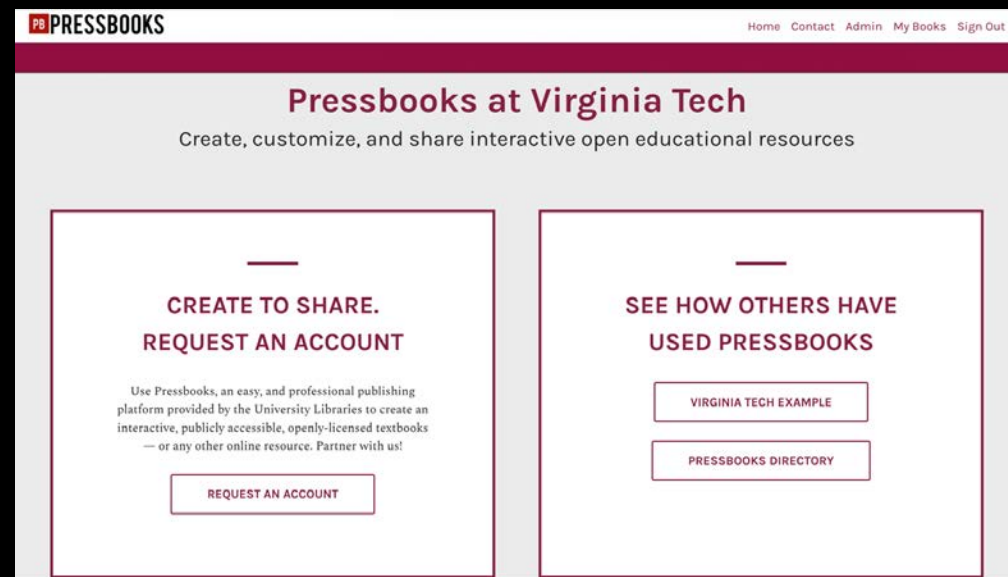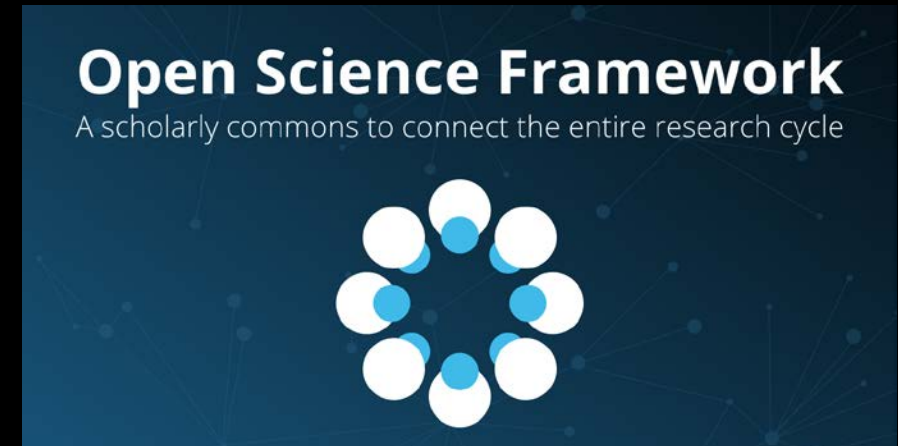
Subventions

($$$)

Books

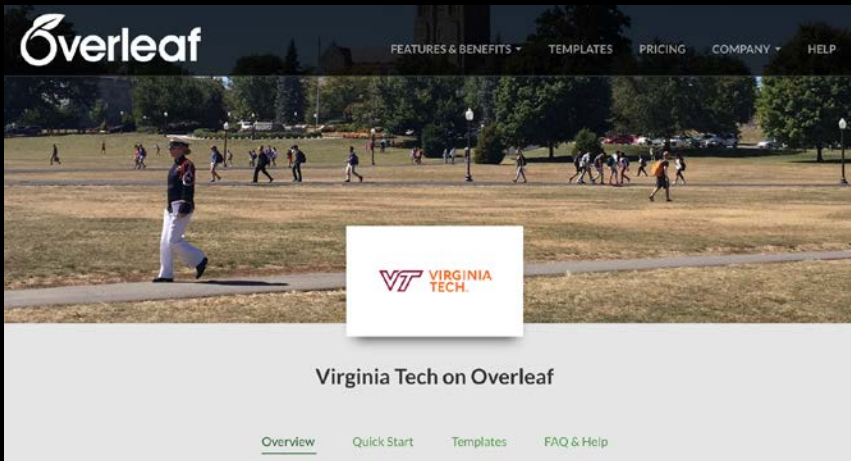- Publishing Subvention Fund ($2-3k)

- Open Access Fund ($15k)

Journal Articles

- $140k/year for Article Processing Charges (APCs) in OA journals

Tools for Writing & Publishing

Data Services

Please Contact Me

Peter Potter

Publishing Director

Newman Library

pjp33@vt.edu

SAIG Statisical Applications
& Innovations Group

How can we help you?

http://www.saig.stat.vt.edu

VIRGINIA TECH.

A brief history of statistical consulting and collaboration at VT

1948

1949

1974

2010

2017

LISA
Statistical Collaboration
Laboratory of Virginia Tech

SAIG
Statisical Applications
& Innovations Group
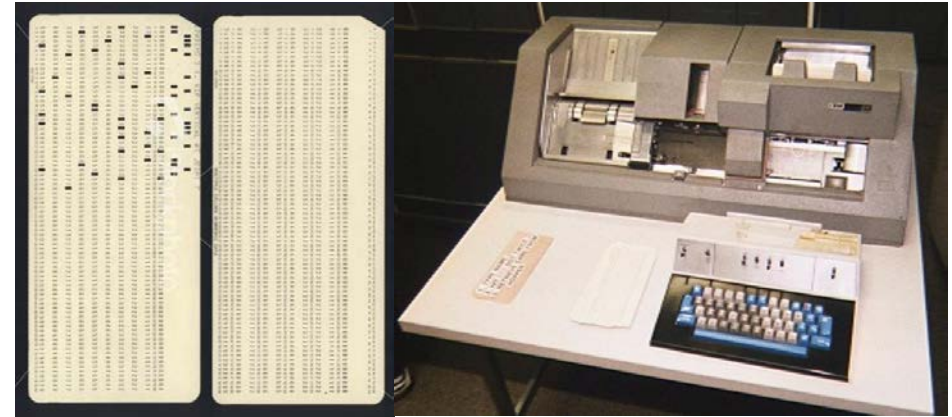
Questions we have answered in the past…

- How can we assess the broader impacts of my NSF grant?
- Why do lemurs eat dirt?
- What methods work best to help students in college Spanish classes learn the gender of irregular nouns?
- Which employees are most likely to be hired and retained?
- What is the repeatability and reproducibility of a1C (glucose) measurements from home meters?
- Which sequence and amounts of fertilizer will lead to higher crop yield?
- Which genotype of what amounts mosquitoes is more likely to successfully mate?
- Are underrepresented or majority engineering students more likely to participate in various activities?
- What are the underlying features that lead to pursuing a career in the construction industry?
- Is the laboratory staining test accurate for predicting genetic mutations associated with glioblastoma?

FREE!*
Walk-in Hours

Long Term Consulting & Proposals

FREE!*
Short Term Consulting

FREE!*
Seminars & Short Courses

SAIG
Statisical Applications
& Innovations Group

* FREE to graduate students, faculty, and staff in participating Colleges
& Administrative Units.

VIRGINIA TECH.   **SAIG**
Statisical Applications
& Innovations Group

Come early, come often!

To consult the statistician after an experiment is finished is often merely to ask him to conduct a post mortem examination.

-Sir Ronald Fisher (famous statistician)

DOs

- Visit SAIG as soon as you develop your research questions

- Expect to prepare for your collaboration

- Expect to explain your research question and associated terminology in plain English

- Bring us pictures, example papers, etc.

- Expect us to provide you prompt service and an appropriate solution as per our policies

- Consider giving acknowledgement or co-authorship opportunities where appropriate

DON'Ts

- Make your poor planning our automatic emergency

- Expect to throw data over the fence and have us to throw an answer back over

- Expect us to organize and clean your data for analysis

- Expect every collaborator to know every statistical technique, software program, etc.

- Forget about the academic cycle; we are staffed by students

VT
VIRGINIA TECH.

SAIG
Statisical Applications
& Innovations Group

SAIG Vision

Our vision is to be

the premier global statistical collaboratory

by solving diverse, relevant problems

while advancing University research partnerships

as we transform students into leading practitioners

of statistics and data sciences.

http://www.saig.stat.vt.edu

THE UNDERGRADUATE HONOR SYSTEM

KARA LATOPOLSKI, PH.D.

DIRECTOR
OFFICE OF UNDERGRADUATE ACADEMIC INTEGRITY

VIRGINIA TECH.

MEET THE TEAM: OFFICE OF ACADEMIC INTEGRITY

KARA LATOPOLSKI
Director

JOE WILDER
Coordinator

REBECCA MOREAU
Assistant Director

Brianne Merchant
Assistant Director

INITIATIVES

- Academic Integrity Success Module – Opens August 17th
- Understanding the Code – August 30, August 31st, and September 1st @7:30pm in the GLC Auditorium
- Faculty Liaisons
- Presentations – Both synchronous and asynchronous can be requested on the website

RESOLUTION PROCESSES

- Faculty/Student Resolution Process and Administrative Resolution Process
- Panel Resolution Process

STATISTICS

<u>Fall 2019, Fall 2020, Fall 2021</u>

Cases referred
Fall 2021 Total (August 1, 2021 – January 17, 2022): 382
Fall 2020 Total (August 1, 2020 – January 17, 2021): 733
Fall 2019 Totals (August 1, 2019 – January 17, 2020): 385

<u>Spring 2020, Spring/Summer 2021, and Spring 2022</u>

Cases referred
Spring/Summer 2022 (January 18, 2022 – August 1, 2022): 343
Spring/Summer 2021 Total (January 18, 2021 – July 30, 2021): 564
****Cases received after April 30, 2021 – 236*
Spring 2020 Total Cases (January 18, 2020 – May 20, 2020): 233

Annual Panel numbers
2021 – 2022: 382
2020 – 2021: 314
2019 – 2020: 69

QUESTIONS?

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