



Returning & New Students Meeting

**Welcome to Penn State Statistics
Department
August 13, 2018**

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Graduate Website(s) & Handouts

- Welcome back!
- Please review the graduate website, PSU BOX folder & any other handouts
 - Contain forms and review of basic procedures and policies
 - <http://stat.psu.edu/education/graduate-programs>
 - <http://stat.psu.edu/education/student-resources>
 - CANVAS – Statistics MS/PhD “course”

Roadmap & Progress Report

- Roadmap to success
 - Graduate Assistantship (Fellowship/RA/TA)
 - Curricular
 - Research
 - Professional
- Mentoring/Advising
- Graduate Student Activity report

What is a Ph.D in Statistics?

A Ph.D in Statistics means you:

- * Are able to contribute to the academic field of Statistics at the highest level

What is Statistics?

Mentoring /Advising

- A Ph.D is an *apprenticeship*
- The advisor/advisee relationship is critical
- Meet regularly (weekly) with your research adviser
- Before finding a research adviser:

Meet with your academic/thesis advisor in early September & January, or more often

- September: To learn whether you were on the right track during the last academic year
- January: To collect data on who will graduate in May and August. This helps us to figure out how many TA slots for new students.

Graduate Student Activity Report

- https://apps.science.psu.edu/grad_activity/ .
- Online system in development
 - Teaching, coursework, research, professional
 - Self-evaluations
 - Faculty evaluations
- You will initiate this process – expect an email soon with details!

Graduate Assistantships

Teaching Assistantships

Research Assistantships

Fellowships

Training Programs

Your support (PhD/MS)

- Includes **full financial support** as long as you are making adequate progress towards your degree.
 - **Full financial support** means tuition and stipend during the academic year, and health insurance.
 - Limited tuition waivers and stipend are also available in the summer.
 - You are a student and an assistant with duties often "identical in nature to those required for the advanced degree sought."
 - If you plan to leave the program at an unusual time, you will be required to pay for your tuition and health insurance until graduation.
- **GTA pay-grade at least 15!** (RAs could vary)

Assistantships (GTA / GRA)

- Are officially 20 hours per week
- Start the week before classes start
- End at the end of exam week, although your appointments for payroll goes until 12/31.
- PSU BOX folder forms to state your preferences in My Group/Graduate STAT Program Advising
- More general PSU policy at <http://www.gradschool.psu.edu/current-students/student/>

Teaching Assistantships

- **Grader**
 - Most common: grading and office hours
 - May include supervising computer lab
 - May be on-line
- **Lecturer**
 - Teach an undergraduate course
 - Supervise a grader
 - Usually start in the summer when classes are smaller
- **On-line instructor**
 - Teach on-line using course set up by faculty
- **MUST complete FERPA training**
http://www.registrar.psu.edu/staff/ferpa_tutorial/ferpa_tutorial.cfm

TA Duties and Workload

- See handouts provided by Pat & Dennis!
- Proactively discuss with instructor
 - expectations
 - whether your work is satisfactory & how to improve
 - setup your office hours
- Different instructors may have different policies
- **Should not schedule** the office hour during **3:30-5:00 Thursday** but should attend the Dept. Seminar, and keep 12:00-1:00pm Thursday for graduate-led workshops.
- Graduate policy on **grading graduate courses** and conflict of interest forms for you to sign and submit to Jessica: <http://www.gradschool.psu.edu/current-students/student/>

Be a GREAT TA!

1) This is a job

$(\$11407 \text{ salary} + \$10770 \text{ tuition}) / (16 \text{ weeks} * 20 \text{ hrs per week})$

= \$69 per hour

2) Build your brand

- letters of recommendation
- personal excellence

3) Build our profession

What do people say when you tell them you are a statistician?

Research Assistantships

- Research under the direction of a faculty member (occasionally in another department)
- May be related to your thesis work
- May be some other project.
- Should lead to potential publishable work.

Research Fellowships & Training Grants

- NSF Fellowships – U.S. students 1st and 2nd year
- SoDA (Social Data Analytics)
- Bioinformatics programs: CBIOS, B2K2
- Etc...

- Off-campus & on-campus: New programs coming up
- Watch emails, talk to professors, talk to students...

NSF Graduate Research Fellowship

- U.S. citizen & permanent residents
- **First and second-year students**, but one-time application (new NSF rules)
- \$34k per 12 months (total about \$48k)
- 2 Page Research Description
- \$1k from College of Science for committing in your first-year to applying in the 1st or 2nd year!
- Work with a faculty member to complete
- Due in Fall (October)
- <https://www.nsfgrfp.org/>
- Contact Ephraim Hanks (hanks@psu.edu)

On-campus Training Programs

- Computation, Bioinformatics and Statistics (CBIOS)
- Big Data to Knowledge in Health (B2D2K)
- IGERT Big Data Social Science (BDSS)
- Clinical and Translational Science Institute (CTSI)
- Prevention and Methodology Training Program (PAMT)

Computation, Bioinformatics and Statistics (CBIOS)

Big Data to Knowledge (B2D2K)

- NSRI Institutional Predoctoral Training Grant (T32) from the National Institutes of Health (NIH)
- The Genomics Institute of the Huck Institutes of the Life Sciences
- Support for two years
- CBIOS:
<http://www.huck.psu.edu/education/grants/computation-bioinformatics-statistics>
- B2D2K:
<https://www.huck.psu.edu/content/graduate-programs/penn-state-nih-bigdata-training-program>
- Contact Francesca Chiaromonte (fxc11@psu.edu) or Naomi Altman (nsa1@psu.edu) for more information.

Clinical and Translational Science Institute

- Apply at end of first or second year
- TL1 program funded by the NIH
- <http://ctsi.psu.edu>
- Contact Mosuk Chow (mchow@psu.edu)
for more information

Prevention and Methodology Training (PAMT)

- A collaboration of Penn State's Prevention Research Center and Methodology Center
- <http://methodology.psu.edu/pamt/>
- Contact Runze Li (rzli@psu.edu) for more information

Curriculum

Timeline

Courses

Pre-comps, Comps, post-
comps

PhD Defense

Course Work

- <http://stat.psu.edu/education/graduate-programs>
- English requirements (international students)
- Statistics Consulting
- Electives from other departments
 - There are interesting courses offered by many other departments such as Computer Sciences & Engineering (e.g., CSE 597C Machine Learning, also OR classes), and many Social and Behavioral Sciences offer quantitative social science class (e.g., see the course schedule in Sociology, Political Sciences, College of Health and Human Development, the Methodology Center and Business school and discuss it with your advisor or the graduate chair).
- Computing skills increasingly important

Course Work

- Half-time assistantships carry 9-12cr.
- For upper classmen can petition to add extra course
- For the 1st year possible to petition but harder to get
- Often take research credits (STAT 600) to reach 9

Balanced, rigorous yet flexible program

- **Expectation:** complete our program within 5 years
- **Milestones (NEW, since Fall 2014):**
 1. Ph.D. Candidacy Exam (1st year)
 2. Choose an advisor (2nd year)
 3. Ph.D. comprehensive exam (2nd/3rd year)
 4. Ph.D. final oral defense (5th year, pay attention to deadlines)

Program **MUST** be completed within eight years after the date of successful completion of the candidacy examination, e.g., PhD qualifying exam!

Year 1 (post-2014)

Fall 1	Spring 1	Summer 1
Regression Modeling (STAT 511)	Design & Analysis of Experiments (STAT 512)	Research/ Teaching/Grading
Prob Theory I (STAT 513)	Stochastic Processes & MCMC (STAT 515)	Internship Travel
Stats Theory I (STAT 514)	Stats Theory II: Asymptotic Tools (STAT 553)	
Reading Seminar 1cr (STAT 590)	Teaching Statistics 1cr (STAT 592)	
If needed: Real Analysis (MATH 403), or English, Elective	PhD Candidacy Exams	If needed: PhD Exams, Real Analysis

- Academic advisors assigned. All faculty participate in the first year & subsequent evaluations
- Assumes knowledge of STAT 414 (calculus-based probability), basic calculus, linear algebra; real analysis is a plus ([Pre-fall summer course online available](#)).
- Students coming with Masters may take Exams prior to Fall classes
- International students: if did not pass TSE, must take English

Qualifying exams (dates to be confirmed)

- May 11, 2018
 - Theory 1: STAT 513 & STAT 515
 - Theory 2: STAT 514 & STAT 553
- Applied exam – take home (Mon, May 13, 9am to Tue, May 14, midnight)
 - STAT 511 and STAT 512
 - Pick up Monday, 9am submit Tuesday by midnight
 - Online

Years 2 & 3

- Required courses:
 - STAT 517 (Probability), Fall 2nd or 3rd year
 - STAT 561 (Advanced Inference), Spring 2nd or 3rd year
 - STAT 580, STAT 581 Consulting sequence, 2nd - 4th year
 - STAT 590 Colloquium – 1cr in addition to year 1
<https://sites.psu.edu/statperspectives/>
- Electives: At least 18 credits. At least 4 out of 6 from statistics.
 -
 - STAT 597 (rotates – special topics)

STAT Electives

(some possible in the first year)

- STAT 540 (Computing)
- STAT 551 (Linear models)
- STAT 557 (Data Mining)
- STAT 540 (Statistical Computing) especially if passed MS Theory Exam
- STAT 597s: Special Topics courses vary, e.g., Bioinformatics, Bayes, Spatial, Optimization, Sufficient Dimension Reduction, Privacy, ...

See other departments too!

NOTE: STAT596 (Independent study) – an elective only by petition.
For research take STAT600 (pre-comps) or 601 (post-comps)

Year 2 (suggested)

Fall 2 (suggested)	Spring 2 (suggested)	Summer 2
Probability Theory (STAT 517)	Inference with Bayes (STAT 561)	Research Teaching/Grading
Computing (STAT 540)	Elective	Internship Travel
Statistical Consulting (STAT 580) 2cr or Elective	Statistical Consulting (STAT 580 or 581) 1cr or Elective	Conferences
Math 403, STAT551, STAT 505X, or Elective		Write papers
Look for research advisor		Work on Phd thesis proposal/Comps Exam

- Consulting (580-581) can be taken in 2nd- 3rd year

Year 3 (post-2014 suggested)

Fall 3	Spring 3	Summer 3
Elective(s)	Elective(s)	Research Teaching/Grading
Research	Form your thesis committee	Internship Travel
STAT 581 if not taken		Conferences JSM/ENAR... Write papers
	Comprehensive Exam	

Some course flexibility & timing across years 2 and 3; at least 18 cr. of electives

Research topics: Multivariate analysis, Dimension reduction, Spatial statistics, Nonparametric statistics, High-dimensional data, Design, Astrostatistics, Bayesian statistics, Genomics, Bioinformatics, Survival analysis, Social Networks, Data Privacy ... with applications in many different contexts...

MS/PhD Thesis Advisor

- **NEW (Fall 2015 on):** Main advisor MUST be a graduate faculty from the statistics department, whose main appointment is in the Statistics Department
- Affiliated faculty CANNOT be the main advisor; they could be a co-advisor
- List of faculty: <http://stat.psu.edu/people>
- Your thesis committee should have at least one member from outside the department

Research advisors: Matchmaking

- Attend seminars
- Attend SMAC talks (Friday AM)
- Attend students proposals, defenses
- Speak with faculty to learn about their research
- Start early – explore in 1st year
- Start with a short “trial” project
- A good student is an incredible resource for a professor!

Years 4 & 5 (post-2014, suggested)

Fall 4/5	Spring 4/5	Summer 4/5
Elective(s)	Elective(s)	Research Teaching/Grading
Research	Thesis Defense/Graduation	Thesis Defense/Graduation
Writing thesis/papers	Writing thesis/papers	Travel Conferences Write papers
Starting job search	Interviews	
		CONGRATS! New job!

Statistics Graduate Student Association (SGSA) throughout your studies: <http://sites.psu.edu/statisticsgsa/>

- Reading groups
- Student organized seminars
- Career options
- Social activities



PhD Comps Exam & Post Exam

- **Pre-comps:** You must be a full-time student and as an international student that means you need to be registered for at least 9 credits.
 - Register for something or STAT 600
- All candidates are required to have a minimum grade-point average of 3.00 for work done at the University at the time the comprehensive examination is given, and may not have deferred or missing grades.
- The graduate student must be in good academic standing and must be registered as a full-time or part-time graduate degree student for the semester in which the comprehensive examination is taken
- <http://bulletins.psu.edu/graduate/degreerequirements/degreeReq1#doctoralComprehensive>

PhD Comps Exam & Post Exam

- **Pre-comps:** Two weeks' notice is required by the Office of Graduate Enrollment Services for scheduling this examination, which may be open to the University community and the public at the department's discretion. It is given and evaluated by the entire doctoral committee.
- Note: There is NO minimum number of STAT 600 credits that you need before you take your comprehensive exam, unless you plan to do a MS thesis on your way.
 - Assuming that you are not doing a Master's thesis, then you do NOT need to be registered for STAT 600 thesis credits if you are already registered for 9 other credits.
 - However, if you plan to take your comps during the summer, you should register for at least 1 credit of STAT 600.
 - If you plan to take it during a regular semester and you are short of credits, that is you have not signed up for enough courses, you can sign up for STAT 600.
 - You can have at the most 12 credits of STAT 600 with a letter grade other than the grade R for Phd and 6 for Masters. So the easiest is to sign up for STAT 600 asking for grade R and not another letter grade.

PhD Comps Exam & Post Exam

- **PhD comps:** Two weeks' notice is required by the Office of Graduate Enrollment Services for scheduling this examination, which may be open to the University community and the public at the department's discretion. It is given and evaluated by the entire doctoral committee.
- **Ideally completed by the end of summer of year 3.**
- Most common format:
 - Written and oral presentation of research to date
 - ~1 paper submitted, ideas for others presented
- Alternative formats (rare, but possible):
 - thesis proposal with a written document
 - area review with written questions/answers
- Require annual committee meetings after that.

PhD Comps Exam & Post Exam

- **Post-comps:** After a Ph.D. candidate has passed the comprehensive examination, s/he must register continuously for each fall and spring semester until the final oral examination is passed.
 - Register for STAT 601
- Students who are in residence during summers must also register for summer sessions if they are using University facilities and/or faculty resources, except for Graduate Lecturers/Researchers, who are not required to enroll for any credits unless they are first-semester graduate students, or are required to be enrolled by their graduate program.
- <http://bulletins.psu.edu/graduate/academicprocedures/procedures7>

PhD Thesis Defense

- On time paperwork as per Graduate School policy
- Defense is a public event! Should prepare 50min talk.
- Announcement sent out to the department at least 4 weeks prior to the defense
- Information to be included
 - Student's name and date, time & location
 - Name of the PhD Thesis Advisor
 - Name of the Committee Members
 - Title & Abstract
 - A follow-up announcement 1 week prior and then a day or two prior to the defense

PhD Thesis Defense

- **NEW: Important for international students!**
- If defend close to the of the end of semester (after the deadline for graduating that semester) then only 4 weeks to complete corrections and that is when F1 will expire!
- Student does NOT need to register for the next semester. But if not done, then must enroll (and you may have to pay on your own!)
- Apply for OPT on time and check with IOS on policies!!!

MS checklist

- At least 30 credits (24 from STATs)
 - Core first year core courses with PhD exams (minus STAT 553) - 15 credits
 - STAT590, STAT592 - 2 credits, 1 each
 - Plus 580/581 - 3 credits
 - At least 6 cr of STAT 600 (for thesis research)
 - At least 1 elective from stats at 500-level
 - Total 24 credits
- Other electives at 500-level from other departments approved by advisor, but should not exceed STAT electives
- At most 3 credits at 400-level
- Master's qualifying exam (no 553)
- Master's thesis

PhD Checklist

- Required 30 credits
 - First year core courses (20 credits)
 - STAT 517, STAT 561, STAT580/581 (9 credits)
 - STAT 590 (1 more credit past year 1)
- Electives at least 18 credits, with at least 4 out of 6 classes from statistics with advisor approval of non-statistics classes.
- PhD qualifying exam
- PhD comps
- PhD thesis

Research

SARI

Seminars & Research

Internships on- & off-campus

Scholarship and Research Integrity (SARI)

- A requirement from graduate school
- May also be required for RA supported by NSF and/or NIH
- The SARI program has two parts:
 - Part 1: Online CITI
 - Part 2: within STAT580
- IF not completed on time will NOT be allowed to work as an RA nor teach until completion!

Scholarship and Research Integrity (SARI)

- **Part 1:** Online CITI (Collaborative Institutional Training Initiative) to be completed during the first year, **by the end of first Fall semester**
<http://www.research.psu.edu/training/sari/citi>
 - ***Responsible Conduct of Research (RCR)*** course
 - May need: Social Science & Biomedical modules if data requires IRB
<http://www.research.psu.edu/training/sari/Social%20Science%20and%20Biomedical%20Modules.pdf>
- Save a PDF printout and send it to Jessica Brown

Scholarship and Research Integrity (SARI)

- **Part 2:** Graduate students are required to engage in an additional five hours of discussion-based RCR education prior to degree completion.
- This part is integrated in our Stat 580.

IF not completed on time will NOT be allowed to work as an RA nor teach until completion!

Seminars and Research

- Required/strongly encourage all students to attend our department seminars, PhD Thesis defenses, and seek other opportunities within PSU and beyond.

Important for your career development, learning more about Stats, etc.!

- Many of our faculty have ongoing applied and theory projects for summer RA and for longer-term research.

**Talk to the faculty about possible project!
You can do a short-term project with one faculty and a thesis with another! Important for building your CV!**

Internships

- Internships may be on or off-campus
- On-campus should provide tuition - check before accepting
 - Library statistical consultants
 - Interns in our consulting center
- Off-campus
 - Local: Minitab
 - Others: usually summer or summer +

Recent Internships

Lubrizon Corporation	near Cleveland
Liberty Mutual Insurance	Boston
EMD Serono (pharmaceutical)	Billerica, Ma
United Airlines	Chicago
Janssen (pharmaceutical)	Titusville, NJ
AbbVie	North Chicago
Sandia National Laboratories	Albuquerque
DuPont (summer +)	Wilmington, DE
Security and Exchange Comm	DC
Google, Inc.	Mountain View, CA
AT&T Labs	Florham, NJ
Wells Fargo	San Francisco, CA

Application for Internship

- **International students:** Go to the International Student Office (ISO) and ask about your eligibility and requirement for summer internship, e.g. CPT

- Apply for **the Summer Tuition Assistance Program (STAP)**: pay attention to emails about STAP. Register for STAT596. **Don't miss the deadline!**

Waiver of STAT581 via an internship (ONLY MAS students!!!)

- **The internship needs to be taken after Stat 580 and needs to be at least 8 weeks long.**
 1. Submit the Internship offer letter from the company to the Graduate Chair and the Academic or Thesis Advisor.
 2. Register for 1 credit in Stat596 under the supervision of the student's advisor or the graduate chair.
 3. Ask the internship supervisor to send an e-mail to the Graduate Chair about halfway through the internship indicating whether the student is making good progress in the internship.
 4. Upon the completion (or toward the end of the internship), the student needs to give a 20 minutes powerpoint presentation
 5. The student will need to submit a brief project/tech report

Professional +

Department/University

- Participate in departmental events
 - Seminars, receptions, lunch with speakers, ...
- Be active in SGSA
 - Lunches with faculty
 - Students-led mini workshops, study and/or research groups
 - Invite speakers
 - NSF Fellowships – U.S. students 1st and 2nd year
- Attend training workshops/conferences on campus
- For career development
 - College IDP: <https://elements.science.psu.edu/faculty-staff/postdoctoral-information>
 - <http://myidp.sciencecareers.org/>

Joining professional societies

- American Statistical Association (ASA)
- Institute of Mathematical Statistics (IMS)
- International Statistical Institute (ISI)

- Free or minimal fee
- Access to journals
- Applications for scholarships, travel, paper and research awards...
- Discounts to attend the meetings, networking

Department travel support funds

- Statistics Graduate Support Fund and the Harkness Enhancement Fund
- PhD students (and fixed term faculty) to attend professional meetings (e.g., ENAR 2016 or JSM 2016)
- Limited funds and the heavy demand, so capped to ONE per person per academic year with a maximum of TWO total in your time here, and in dollar amount.
- First check with your advisors if they can support your travel.
- To apply for funding, see Melissa in the main office to fill out the appropriate form.

My IDP Science Careers

- My Individual Development Plan for Science Careers
- “You need a gameplan”: Article in Science Magazine
- <http://myidp.sciencecareers.org/>

Additional Policies

STAP

STAP (Summer Tuition Assistance Program)!

- To take comprehensive exam during summer, you need apply for STAP. 1 credit
- To have your oral defense during summer, you need apply for STAP. 1 credit
- To have a MS degree during summer, you need apply for STAP. 1 credit
- To have a summer intern (for international), you need apply for STAP. 1 credit
- BW to enroll for one 1cr

Arrival and Leaving

- You are students of PSU with assigned duties to the department
- Observe the start and end of the semester, and make sure you are available through the end of the finals week for your TA duties
- All forms on ANGEL and on SGSA site
 - Early leave request form
 - Late return request form
 - Personal leave form

Communicate

- Get to know faculty, staff and your fellow students, and let us get to know you
- Talk to your advisors with any concerns and/or suggestions
- Talk to Ephraim, talk to Murali ...
- Talk to our current ombudsmen:
 - Mosuk Chow, 863-8128, mchow@stat.psu.edu
 - Matt Beckman, 863-1022, beckman@psu.edu
- CAPS (Counseling and Psychological Services)
<http://studentaffairs.psu.edu/counseling/>

Why Penn State?

- Top ranked Statistics program.
- Balanced, rigorous and flexible program.
- Large faculty with diverse interests.
- Opportunities for theoretical, methodological & interdisciplinary research.
- Opportunities to develop consulting & teaching skills.
- Good career placement into all sectors.

- Friendly faculty and students.
- Safe location with lots of recreational & cultural opportunities.

Top Ranked Department

National Research Council (NRC) 2011 ranking.
S (survey) range 5 to 13.

US NEWS 2014 ranking
statistics programs: top 15

Balanced, rigorous yet flexible program

- **Expectation:** complete our program within 5 years
- **Milestones:**
 1. Ph.D. Candidacy Exam (1st year)
 2. Choose an advisor (2nd year)
 3. Ph.D. comprehensive exam (2nd/3rd year)
 4. Ph.D. thesis & final oral defense (4th/5th year)
- Theoretical, Methodological & Interdisciplinary work – strong links with astronomy, biology, climate science, biomedical, social and behavioral sciences ...
- Dual degrees (e.g., Operations Research)
- Graduate minor options (e.g., Computing)

Good career placement into all sectors

- Recent Interviews: [Academic](#), [Industry](#), [Research Labs](#), [Government](#)
...
- [Academic](#): Baruch College - CUNY, California State University Pomona, Carnegie Mellon, Chinese University of Hong Kong, Columbia University, Duke University, Fordham University, Harvard University, Johns Hopkins, Michigan State University, National University of Singapore, NYU, NCSU, Oregon State University, Oxford University, PSU, SUNY-Fredonia, UT Huston, Villanova University
- [Industry](#): Accuweather, Astellas, Bank of America, Capital One, Disney, Epic Systems, Inc., Google, Eli , IBM Watson Research Center, JP Morgan, Lilly, Microsoft research, Skytree, VideoMining, Wells Fargo
- [Government](#): RAND, NIH/NCI, Census, Department of Education, Lawrence Livermore National Lab

Good career placement into all sectors

- **Academic:** Teaching and/or Research assistant professors
 - Biostatistics - University of Minnesota, Yale,
 - Statistics - Carnegie Mellon, Temple, University of Cincinnati, University of Notre Dame, University of North Carolina at Charlotte, University of Virginia,
 - Math & Stats - CUNY, Williams College, Bentley University, Utah State, Old Dominion University, Miami University-Ohio; Muhlenberg College; Istanbul Medeniyet University (Turkey), University of Melbourne (Australia), University of Campinas (Brazil)
- **Academic:** Postdoctoral research positions
 - Statistics - University of California, Berkeley, University of Washington, University of Chicago, Harvard University, Carnegie Mellon University
 - Department of Biostatistics and Computational Biology Dana-Farber Cancer Institute
 - NYU Langone Medical Center

Good career placement into all sectors

- Industry & think tanks
 - AbbVie
 - Eli Lilly & Co.
 - Google
 - RAND
 - Merck & Co. Inc.
 - American Institutes of Research
- Government
 - Lawrence Livermore National Labs
 - Los Alamos National Laboratories, New Mexico
 - Department of Defense
 - U.S. Census
 - United Nations Office in Geneva
 - U.S. Department of Education

Recent (External) Graduate Awards

- A number of Best Student Paper Awards
 - Kevin Lee - 2016 The American Statistical Association (ASA) Section on Statistical Learning and Data Science of the International Chinese Statistical Association
 - Joshua Snoke - 2016 The ASA Government Statistics Section, Social Statistics Section, and Survey Research Methods Section
- Meridith Bartley - honorable mention 2015 Gertrude M. Cox Scholarship
- Eliana Christou - 2016 Harold F. Martin Graduate Assistant Outstanding Teaching Award
- Amy Zhang, Michelle Pitsner - 2016 IGERT BDSS Fellowships
- Huiyunbin Kang, Kevin Lee - 2016/2015 Academic Computing Fellowships
- Ann Johnston - 2016 Jack and Eleanor Pettit Scholarship in Science
- Joshua Snoke - 2016 U.S. Census Fellowship

Recent (External) Faculty Awards/Honors

- Donald Richards, presented the Mathematical Association of America (MAA) - American Mathematical Society (AMS) Invited Address at the 2017 Joint Mathematics Meeting
- Francesca Chiaromonte and Murali Haran 2016 Fellows of the American Statistical Association (ASA)
- Jogesh Babu (along with affiliated faculty member Eric Feigelson): 2016 Fellow of International Astrostatistics Association
- Dennis Lin: 2015 Shewhart Medal from the American Society for Quality & William G. Hunter Award
- Murali Haran: 2015 Abdel El-Shaarawi Young Researcher Award for outstanding contributions to the environmetrics.
- Naomi Altman: Writes *Nature Methods* "Points of Significance Column", 2014 -- present

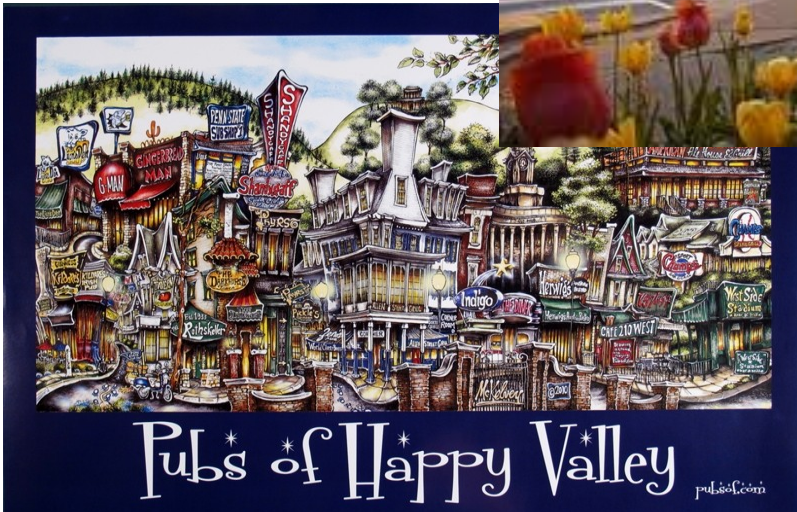


Welcome to Penn State Statistics



Welcome to Happy Valley

HappyValley.com



Pubs of Happy Valley

pubs.com

