

Ryan A. Peek

PhD Candidate, Ecology, UC Davis

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Employment

Center for Watershed Sciences, University of California, Davis

Graduate Student Researcher 2014-present

Jr. Research Specialist 2011-2014

USDA Forest Service, Pacific Southwest Research Station

Biological Science Technician 2010

University of California, Berkeley

Research Assistant II 2009-2010

Stillwater Sciences

Fish & Wildlife Biologist 8/2002–12/2011

National Park Service (Sequoia and Kings Canyon)

Biological Science Technician 2001

Education

University of California, Davis, Ph.D. Ecology expected 2018

University of San Francisco, M.S. Biology 2010

University of California, Davis, B.S. Wildlife, Fish, & Conservation Biology 2002

Teaching

Instructor, Software & Data Carpentry 2016

Help teach researchers in science, engineering, medicine, and related disciplines the computing skills they need to get more done using open source and reproducible tools. Specifically, have helped teach ecology/natural science workshops at UC Davis and UC Berkeley. (<http://software-carpentry.org/>) (<http://www.datacarpentry.org/>)

Teaching Assistant, Ecogeomorphology, University of California Davis 2015

Introduced advanced undergraduate students to multidisciplinary collaborative watershed and stream analysis through combined laboratory and field study of a selected stream system. Taught students from diverse backgrounds to work in interdisciplinary research teams to collect and analyze field data from the Tuolumne River system. Guided and taught in classroom, lab, and field, including a 3 day rafting trip on the Tuolumne River.

Lab instructor for undergraduate general biology lab; planned and conducted lab activities and led discussions for two semesters (molecular biology fall semester, organismal biology spring semester). Gave weekly lecture to the class. Wrote weekly quizzes, graded students reports and exams

Publications

Books

Pearson, E.S. and John Wishart (eds.). 1943. *"Student's" Collected Papers* London: Biometrika Office.

Journal Articles

Student. 1938. "Comparison between Balanced and Random Arrangements on Field Plots." *Biometrika* 29(3-4): 363-378.

Student. 1936. "Co-operation in Large Scale Experiments." *Supplement to Journal of the Royal Statistical Society* 3(2): 115-136.

Student. 1931. "On the z Test." *Biometrika* 23(3-4): 407-408.

Student. 1931. "The Lanarkshire Milk Experiment." *Biometrika* 23(3-4): 398-406.

Student. 1929. "Statistics in Biological Research." *Nature* 124: 93

Student. 1927. "Errors of Routine Analysis." *Biometrika* 19(1-2): 151-164.

Student. 1926. "Mathematics and Agronomy." *Journal of the American Society of Agronomy* 18.

Student. 1925. "New Tables for Testing the Significance of Observations." *Metron* 5(3): 105-108.

Student. 1923. "On Testing Varieties of Cereals." *Biometrika* 15(3-4): 271-293.

Student. 1921. "An Experimental Determination of the Probable Error of Dr. Spearman's Correlation Co-efficient" *Biometrika* 13(2-3): 263-282.

Student. 1917. "Tables for Estimating the Probability That the Given Mean of a Unique Sample of Observations Lies between $-\infty$ and Any Given Distance of the Mean of the Population from Which the Sample Is Drawn." *Biometrika* 11(4): 414-417.

Student. 1909. "The Distribution of the Means of Samples Which Are Not Drawn at Random." *Biometrika* 7(1-2): 210-214.

Student. 1908. "Probable Error of a Correlation Coefficient." *Biometrika* 6(2-3): 302-310.

Student. 1908. "The Probable Error of a Mean." *Biometrika* 6(1): 1-25.

Student. 1907. "On the Error of Counting with a Haemocytometer." *Biometrika* 5(3): 351-360.

Other Publications

Student. 1905. "The Pearson Co-efficient of Correlation." Supplement to Report of 1904, Arthur Guinness Son & Company.

Student. 1904. "The Application of the 'Law of Error' to the Work of the Brewery." Report, Arthur Guinness Son & Company.

References

Available upon request