

Inés Berro

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Education

Master of Science in Agriculture. Major in Biostatistics. 2017. Universidad de la República, Uruguay (UdelaR). Thesis: Optimization of the training population for genomic selection in wheat and rice (in Spanish). Advisor: Ph.D. Lucía Gutiérrez.

B.S. in Statistics. 2011. Universidad de la Republica, Uruguay (UdelaR). Thesis: Comparison of experimental designs in barley trials in Uruguay (in Spanish). Advisors: Ph.D. Lucía Gutiérrez, MSc. Laura Nalbarde.

Positions held

2019 – Present. **Research Assistant at Cereals Breeding and Quantitative genetics Lab**, Agronomy Department, University of Wisconsin-Madison, USA.

2009 – Present. **Teaching Assistant at the Statistics Department**, College of Agriculture (Fagro), UdelaR, Uruguay. I am a teacher assistant for the statistics (Msc. Alejandra Borges, Ph.D. Lucía Gutierrez, Ph.D. Virginia Gravina) undergraduate and graduate courses.

Teaching

2009 - Present. **Statistical inference (undergraduate)**, Fargo, UdelaR, Uruguay. Teaching Assistant. I was in charge of computer labs, grading tests, preparing reading material, and on-line course management.

2012, 2014. **Statistical inference and probability (graduate)**. Fargo, UdelaR, Uruguay. Teaching Assistant. I was in charge of computer labs and grading tests.

2019 - 2011. **Calculus (undergraduate)**. Fargo, UdelaR, Uruguay. Teaching Assistant. I was in charge of labs and grading.

2010 - 2012. **Statistical inference (undergraduate)**. Economics College (CCEE), UdelaR, Uruguay.

Research projects

2015- 2018 **Training Population Optimization for Genomic Selection in Wheat**. Young Scientist Award, CSIC, Uruguay.

2011-2015. **Design and implementation of genomic selection in the National Wheat Breeding Program**. INIA Línea2, Uruguay.

2011. **Experimental design efficiency in barley trials in Uruguay**. Universidad de la República, Uruguay.

Teaching Training

2013. Design and grading of multiple-choice tests. UdelaR, Uruguay.

2010. Teaching and Learning in Virtual Learning Environment (EVA) of the University. UdelaR, Uruguay.

Publications

- Berro, I.**, B. Lado, R. S. Nalin, M. Quincke, and L. Gutiérrez. 2019. Training Population Optimization for Genomic Selection. *Plant Genome* 12:190028.
doi:10.3835/plantgenome2019.04.0028
- Berro, I.** 2017. "Optimization of training population for genomic selection in wheat and rice." Thesis of Master of Science in Agriculture. Montevideo, Uruguay. FAGRO, UdelaR.
- Berro, I. Berberian, N., Borges, A.** 2013. "Statistical Inference guide definitions and tables." Reading material for undergraduate course.
- Berro, I.** 2011. "Comparison of experimental designs in barley trials in Uruguay " (in Spanish). Thesis Lic. Statistics. Montevideo, Uruguay. CCEE, UdelaR.

Conferences

- Berro, I.**, Lado, B., Gutiérrez, L. 2018. "Optimization the training population for genomic selection." In: XXVI Plant and Animal Genome (PAG). San Diego, CA, United States of America.
- Berro, I.**, Lado, B., Gutiérrez, L. 2016. "Traning population optimization for genomic selection in wheat and rice" (in Spanish). In: XVI Latin America conference of Genetics. Montevideo, Uruguay.
- Berro, I.**, Lado, B., Gutiérrez, L. 2015. "Comparison of training population for genomic selection in wheat breeding program" (in Spanish). In: First Argentine Conference of Statistics. Buenos Aires, Argentina 2015.
- Berro, I.**, Lado, B., Gutiérrez, L. 2014. "Comparison of training population for genomic selection in wheat breeding program" (in Spanish). In: National Conference of the Uruguayan Society of Biosciences. Piriápolis, Uruguay.
- Berro, I.**, Gutierrez, L. 2010. "The trait measured affects experimental design efficiency in barley variety trials." In: International Biometric Sociality Conference (IBS). Florianópolis, Brazil.

Statistical Consulting

- 2017 - Statistical consulting for undergraduate thesis: "Combined effect of containers and clones *Eucalyptus grandis* in growth in field," Martín Scremini and José Rojas. FAGRO, UdelaR.
- 2015 - Statistical consulting for undergraduate thesis: Potting container effect on *Eucalyptus grandis* clone growth, Milena González. FAGRO, UdelaR.
- 2014-2015 - Statistical consulting for undergraduate thesis: "Taxonomic studies of Sabine, *Psidium cattleianum*, Mauricio Alchurruat Duarte. FAGRO, UdelaR.
- 2013 - Statistical consulting for the project: "Design and analysis of a sampling strategy for physical, chemical, and biological parameters of milk in Uruguay." Montevideo, Uruguay. (Assistant).
- 2011- Statistical consulting for undergraduate thesis: "Characterization of strawberry production in the Salto area," Franco Bordenave. FAGRO, UdelaR.