

Jason B. Cho

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Education

Cornell University, Ithaca, NY
College of Agriculture and Life Sciences
Masters of Science in Animal Science
Cumulative GPA: 4.0

Aug. 2019 – Present

Cornell University, Ithaca, NY
College of Arts and Sciences
Bachelor of Arts in Statistical Science and Minor in Computer Science
Dean's list (Fall 2016, Spring 2018)
Cumulative GPA: 3.4 Major and Minor GPA: 3.7

Aug. 2011 – May 2018

Research Assistantship

Cornell Nutrient Management Spear Program, Ithaca, NY

Research Assistant

- Developed software for interpolating spatially correlated data (yield monitor data) using R
- Performed statistical analysis to understand the effect of nitrogen on corn yield

Dec. 2018 – Present

Cornell Tech Future Automation Research Laboratory, New York, NY

Part-time Research Assistant

- Designed several custom voice agent skills using JavaScript for a research project
- Assisted data collection and organization, literature review and overall project management

Jul. 2018 – May. 2019

Cornell Statistical Consulting Unit, Ithaca, NY

Data Analyst

- Performed data analysis for researchers around Cornell. Tasks include dimensionality reduction, imputations, outlier detection, causal inference and clustering

Jul. 2018 – Dec. 2018

Teaching Assistantship

Graduate Teaching Assistant

STSCI 2150: Introductory Statistics for Biology (Fall 2019, Spring 2020)

ORIE 3500: Engineering Probability and Statistics II (Fall 2020)

- Led weekly lab sessions (~40 students) and taught basic statistical analysis using R
- Assisted professor with overall class management such as grading and proctoring exams
- Regularly held weekly office hours to help students with the class material

Aug. 2019 – Present

Grader

BTRY 3080: Probability Models and Inference (Fall 2017)

BTRY 3090: Theory of Interest (Spring 2018)

- Graded weekly homework assignments and exams

Aug. 2018 – May 2018

Publications

Cho, J., Guinness, J., Kharel, T.P., Sunoj, S., Kharel, D., Oware, E., Aardt, J.V., and Ketterings, Q.M. 2020. Spatial estimation methods for mapping corn yield monitor data. Precision Agriculture. (Submitted – under review, Nov 19th 2020)

Sunoj, S., Kharel, D., Kharel, T.P., Cho, J., Czymmek, K., and Ketterings, Q.M. 2020. Impact of headland area on whole field and farm corn silage and grain yield. *Agronomy Journal*. (In press) ([Link](#))

Conference Presentations

Cho, J., Maresma, A., Kharel, T.P., Godwin, G., Sunoj, S., Kharel, D., Oware, E., Aardt, J.V., Guinness, J., Ketterings, Q.M. 2020. Spatial estimation methods for mapping corn yield monitor data. Abstract No. 126151, 2020 ASA-CSSA-SSSA International Annual Meeting (Virtual), Nov. 9–13, 2020 (Oral Presentation). – **1st place in student competition** ([Link](#))

Cho, J., Maresma, A., Kharel, T.P., Godwin, G., Sunoj, S., Kharel, D., Oware, E., Aardt, J.V., Guinness, J., Ketterings, Q.M. 2020. Analyzing Single Strip Nitrogen Trials for Corn through Yield Stability Based Management Zones. Abstract No. 126196, 2020 ASA-CSSA-SSSA International Annual Meeting (Virtual), Nov. 9–13, 2020 (Poster presentation). ([Link](#))

Sunoj, S., Kharel, D., Kharel, T.P., Cho, J., Czymmek, K., Ketterings, Q.M. 2020. Impact of headland area on whole field and farm corn silage and grain yield. Abstract No. 126163, 2020 ASA-CSSA-SSSA International Annual Meeting (Virtual), Nov. 9–13, 2020 (Oral presentation). ([Link](#))

Sunoj, S., Cho, J., Guinness, J., Aardt, J.V., Oware, E., Czymmek, K., Ketterings, Q.M. 2020. Corn grain yield mapping from high resolution UAS imagery. Abstract No. 126350, 2020 ASA-CSSA-SSSA International Annual Meeting (Virtual), Nov. 9–13, 2020 (Oral presentation). ([Link](#))

Lehman, B., Cho, J., Mace, B., Walden, C., Czymmek, K., Ketterings, Q.M. 2020. Do Corn Yield Stability Zones on a New York Dairy Farm Reflect within-Field Variability of Soil Characteristics? Abstract No. 126601, 2020 ASA-CSSA-SSSA International Annual Meeting (Virtual), Nov. 9–13, 2020 (Oral presentation). ([Link](#))

Cho, J., Lehman, B., Kharel, T.P., Kharel, D., Czymmek, K., Guinness, J., Ketterings, Q.M. 2019. Year to Year Variability in Yield Stability Based Management Zone for Corn. Abstract No. 120439, 2019 ASA-CSSA-SSSA International Annual Meeting (San Antonio, Texas), Nov. 10–13, 2019 (Oral Presentation). ([Link](#))

Guinness, J., Cho, J., Kharel, T.P., Maresma, A., Czymmek, K., Ketterings, Q.M. 2019. Using Spatial Statistics to Analyze on-Farm Trials. Abstract No. 120105, 2019 ASA-CSSA-SSSA International Annual Meeting (San Antonio, Texas), Nov. 10–13, 2019 (Oral Presentation). ([Link](#))

Other Publications

[Agronomy Fact Sheet # 108: In-Field Zone Management of Field Crops \(12/11/2019\)](#)

Authors: Hannah Roman, Quirine Ketterings, Karl Czymmek, Andy Miller, Kitty O’Neil, **Jason Cho**, Ron Porter