

The Metrics

Dr. Susan VanderPlas

Dr. Heike Hofmann

Dr. Christopher R. Bilder

University of Nebraska–Lincoln
Department of Statistics



- Susan VanderPlas
 - Started at UNL in 2020
 - Associate Professor
 - NSF CAREER grant in 2025
 - Faculty Senate Executive Committee member
- Heike Hofmann
 - Started at UNL in 2024
 - Full Professor
 - Fellow of the American Statistical Association
 - Elected member of the International Statistical Institute
- Chris Bilder
 - Started at UNL in 2003
 - Full Professor
 - Fellow of the American Statistical Association
 - Nebraska native: Omaha, Millard South, UNO Regents Scholarship
- Executive Leadership Team's (ELT) data analytics group declined our invitation
- We are recording! Link will be available at SaveOurStats.com

- What is a metric?

*A standard for measuring or evaluating something, especially one that uses figures or **statistics***

Dictionary.com

- Statisticians work with metrics!

- Journals: **Biometrics**, **Biometrical Journal**, ...
- Professional Societies: International **Biometric Society** (2nd largest professional society for statisticians)
- Recent presentations:
 - Bilder, C., Nguyen, M., Tebbs, J., and McMahan, C. "How complex is pooled testing for STI detection? A new **metric** to evaluate its implementation," STI Prevention Conference, September 17, 2024; Atlanta, GA.
 - Bilder, C., Nguyen, M., Tebbs, J., and McMahan, C. "A new **metric** to evaluate algorithm complexity for group testing," WNAR/IMS Meeting, June 19, 2023; Anchorage, AK.

- Purpose: Provide a forum for discussion on
 - The data used in The Metrics
 - The formulation of The Metrics
 - The analyses performed with The Metrics
- Why important?
 - Need to get The Metrics correct
 - Faculty and staff jobs and student degree programs
 - Administration indicated an intent to use The Metrics in future
- Many other problems with The Metrics
 - Please see department's report given to APC at SaveOurStats.com
 - More problems found since report finalized

- Susan VanderPlas
- Heike Hofmann

- Looking for a new college home?

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