



Guenther Walther

John A. Overdeck Professor

Statistics

Bio

BIO

Guenther Walther studied mathematics, economics, and computer science at the University of Karlsruhe in Germany and received his Ph.D. in Statistics from UC Berkeley in 1994.

His research has focused on statistical methodology for detection problems, shape-restricted inference, and mixture analysis, and on statistical problems in astrophysics and in flow cytometry.

He received a Terman fellowship, a NSF CAREER award, and the Distinguished Teaching Award of the Dean of Humanities and Sciences at Stanford.

He has served on the editorial boards of the Journal of Computational and Graphical Statistics, the Journal of the Royal Statistical Society, the Annals of Statistics, the Annals of Applied Statistics, and Statistical Science. He was program co-chair of the 2006 Annual Meeting of the Institute of Mathematical Statistics and served on the executive committee of IMS from 1998 to 2012.

ACADEMIC APPOINTMENTS

- Professor, Statistics
- Member, Bio-X

Teaching

COURSES

2025-26

- Introduction to Applied Statistics: STATS 191 (Aut)
- Introduction to Theoretical Statistics: STATS 200 (Win)

2024-25

- Introduction to Applied Statistics: STATS 191 (Spr)
- Introduction to Theoretical Statistics: STATS 200 (Win)
- Statistical Learning and Data Science: STATS 202 (Aut)

2023-24

- Introduction to Statistical Methods: Precalculus: PSYCH 10, STATS 160, STATS 60 (Spr)

2022-23

- Introduction to Statistical Inference: STATS 200 (Aut)
- Introduction to Statistical Methods: Precalculus: PSYCH 10, STATS 160, STATS 60 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Valérie, Ngoc Phuc Ho

Doctoral Dissertation Advisor (AC)

Dileka Gunawardana

Doctoral (Program)

Tian Bai, Sanchayan Bhowal, Cherith Chen, Xiaoran Chen, Cole Citrenbaum, Louis Davis, Aymen Echarchaoui, Reese Feldmeier, Kenny Gu, Ryan Jeong, Anna Kelley, Jamie Liu, Junyi Liu, Alexandru Lopotenco, Kevin Luo, Nathan Nguyen, Bryan Park, Alessandro Sinai, Rui Sun, Knut Vanderbush, Lauren Wilkes, Skyler Wu, Tracy Wu, Qizhong Zhang