Stanford



Gene Bernhard Kim

Marie Anne Burkhard H&S Lecturer in Undergraduate Teaching, Statistics

Bio

ACADEMIC APPOINTMENTS

- Marie Anne Burkhard H&S Lecturer in Undergraduate Teaching, Statistics

Teaching

COURSES

2026-27

- Introduction to Stochastic Processes II: STATS 218 (Spr)
- Introduction to Theoretical Statistics: STATS 200 (Aut)
- Mathematics of Sports: STATS 100 (Win)
- Probability Theory for Statistical Inference: STATS 118 (Win)
- Probability and gambling: MATH 77Q (Win, Spr)
- Why College? Your Education and the Good Life: COLLEGE 101 (Aut)

2025-26

- Introduction to Probability Theory: STATS 117 (Sum)
- Introduction to Stochastic Processes II: STATS 218 (Spr)
- Mathematics of Sports: STATS 100 (Win)
- Probability Theory for Statistical Inference: STATS 118 (Aut, Win)
- Probability and gambling: MATH 77Q (Win, Spr)
- Why College? Your Education and the Good Life: COLLEGE 101 (Aut)

2024-25

- Applied Matrix Theory: MATH 104 (Win)
- Introduction to Probability Theory: STATS 117 (Sum)
- Mathematics of Sports: STATS 100 (Spr)
- Probability Theory for Statistical Inference: STATS 118 (Aut, Win)
- Probability and gambling: MATH 77Q (Win, Spr)
- Why College? Your Education and the Good Life: COLLEGE 101 (Aut)

2023-24

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

- Probability and gambling: MATH 77Q (Win, Spr)
- Theory of Probability: STATS 116 (Aut)
- Theory of Probability I: STATS 117 (Spr, Sum)
- Why College? Your Education and the Good Life: COLLEGE 101 (Aut)

Publications

PUBLICATIONS

- **Ultrasound Lesion Detectability as a Distance Between Probability Measures** *IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL*
  Hyun, D., Kim, G. B., Bottenus, N., Dahl, J. J.
  2022; 69 (2): 732-743
- **Central Limit Theorem for Peaks of a Random Permutation in a Fixed Conjugacy Class of S-n** *ANNALS OF COMBINATORICS*
  Fulman, J., Kim, G. B., Lee, S.
  2021
- **On the joint distribution of descents and signs of permutations** *ELECTRONIC JOURNAL OF COMBINATORICS*
  Fulman, J., Kim, G. B., Lee, S., Petersen, T.
  2021; 28 (3)
- **THE SYMMETRIC GROUP, ORDERED BY REFINEMENT OF CYCLES, IS STRONGLY SPERNER** *PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY*
  Harper, L. H., Kim, G. B.
  2021; 149 (7): 2753-2761
- **A central limit theorem for descents and major indices in fixed conjugacy classes of S-n** *ADVANCES IN APPLIED MATHEMATICS*
  Kim, G. B., Lee, S.
  2021; 124
- **COVID-19 highlights the issues facing blind and visually impaired people in accessing data on the web** *W4A: Web Accessibility*
  Siu, A. F., Fan, D., Kim, G. S., Rao, H. V., O'Modhrain, S., Follmer, S.
  2021: 1-15
- **The absolute orders on the Coxeter groups A(n) and B-n are Sperner** *ELECTRONIC JOURNAL OF COMBINATORICS*
  Harper, L. H., Kim, G. B., Livesay, N.
  2020; 27 (3)