

# Stanford

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## Dennis Sun

Associate Professor (Teaching) of Statistics

### Bio

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#### ACADEMIC APPOINTMENTS

- Associate Professor (Teaching), Statistics

### Teaching

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#### COURSES

##### 2025-26

- Introduction to Statistics for Engineering and the Sciences: STATS 110 (Aut)
- Philosophical Foundations of Statistics: DATASCI 200Q, STATS 200Q (Spr)
- Principles of Data Science: DATASCI 112 (Win)
- Statistics Teaching Practicum: STATS 301 (Win)
- Teaching Data Science: DATASCI 196 (Aut, Win, Spr)

##### 2024-25

- Data Science and the Science of Learning: DATASCI 194L, DATASCI 294L, EDUC 139, PSYCH 139 (Spr)
- Introduction to Statistics for Engineering and the Sciences: STATS 110 (Aut)
- Principles of Data Science: DATASCI 112 (Win)
- Probability Theory for Statistical Inference: STATS 118 (Sum)
- Statistics Teaching Practicum: STATS 301 (Win)
- Teaching Data Science: DATASCI 196 (Sum)

##### 2023-24

- Data Science Practicum I: DATASCI 192A (Win)
- Data Science Practicum II: DATASCI 192B (Spr)
- Principles of Data Science: DATASCI 112 (Win)
- Statistical Methods in Engineering and the Physical Sciences: STATS 110 (Aut)
- Statistics Teaching Practicum: STATS 301 (Spr)

##### 2022-23

- Literature of Statistics: STATS 319 (Spr)
- Principles of Data Science: DATASCI 112, STATS 112 (Win)

## Publications

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### PUBLICATIONS

- **Spatial clustering of hookah lounges, vape shops and all tobacco retailers near colleges.** *Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco*  
Sun, D. L., Schleicher, N. C., Recinos, A., Henriksen, L.  
1800
- **Empirical Bayes Mean Estimation With Nonparametric Errors Via Order Statistic Regression on Replicated Data** *JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION*  
Ignatiadis, N., Saha, S., Sun, D. L., Muralidharan, O.  
2021
- **Neighborhood variation in the price of cheap tobacco products in California: Results from Healthy Stores for a Healthy Community.** *Nicotine & tobacco research*  
Henriksen, L., Andersen-Rodgers, E., Zhang, X., Roeseler, A., Sun, D. L., Johnson, T. O., Schleicher, N. C.  
2017
- **Inequalities in tobacco outlet density by race, ethnicity and socioeconomic status, 2012, USA: results from the ASPIRE Study.** *Journal of epidemiology and community health*  
Lee, J. G., Sun, D. L., Schleicher, N. M., Ribisl, K. M., Luke, D. A., Henriksen, L.  
2017
- **EXACT POST-SELECTION INFERENCE, WITH APPLICATION TO THE LASSO** *ANNALS OF STATISTICS*  
Lee, J. D., Sun, D. L., Sun, Y., Taylor, J. E.  
2016; 44 (3): 907-927
- **Peer Assessment Enhances Student Learning: The Results of a Matched Randomized Crossover Experiment in a College Statistics Class** *PLOS ONE*  
Sun, D. L., Harris, N., Walther, G., Baiocchi, M.  
2015; 10 (12)
- **ALTERNATING DIRECTION METHOD OF MULTIPLIERS FOR NON-NEGATIVE MATRIX FACTORIZATION WITH THE BETA-DIVERGENCE** *IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*  
Sun, D. L., Fevotte, C.  
IEEE.2014
- **UNIVERSAL SPEECH MODELS FOR SPEAKER INDEPENDENT SINGLE CHANNEL SOURCE SEPARATION** *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*  
Sun, D. L., Mysore, G. J.  
IEEE.2013: 141-145
- **NON-NEGATIVE MATRIX COMPLETION FOR BANDWIDTH EXTENSION: A CONVEX OPTIMIZATION APPROACH** *23rd IEEE International Workshop on Machine Learning for Signal Processing (MLSP)*  
Sun, D. L., Mazumder, R.  
IEEE.2013
- **Speaker and Noise Independent Voice Activity Detection**  
Germain, F. G., Sun, D. L., Mysore, G. J.  
edited by Bimbot, F., Cerisara, C., Fougeron, C., Gravier, G., Lamel, L., Pellegrino, F., Perrier, P.  
ISCA-INT SPEECH COMMUNICATION ASSOC.2013: 732-736