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*Fast and Interpretable Consensus Clustering of Single Cell
Data via Minipatch Learning*

Genevera Allen is an Associate Professor of Electrical and Computer Engineering, Statistics, and Computer Science at Rice University and an investigator at the Jan and Dan Duncan Neurological Research Institute at Texas Children's Hospital and Baylor College of Medicine. She is also the Founding Director of the Rice Center for Transforming Data to Knowledge, informally called the Rice D2K Lab.

Dr. Allen's research develops new statistical machine learning tools to help people make reproducible data-driven discoveries. She is known for her work in the areas of interpretable machine learning, data integration, modern multivariate analysis, and graphical models with applications in neuroscience and bioinformatics. Dr. Allen is also a leader in data science education. In 2018, she founded the Rice D2K Lab, a campus hub for experiential learning and data science education. Through her leadership of the D2K Lab, Dr. Allen developed new interdisciplinary data science degree programs, established a novel capstone program in data science and machine learning, and led Rice's engagement with corporate and community partners in data science.

Dr. Allen is the recipient of several honors for both her research and educational efforts including a National Science Foundation Career Award, Rice University's Duncan Achievement Award for Outstanding Faculty, the Curriculum Innovation Award, and the School of Engineering's Research and Teaching Excellence Award. In 2014, she was named to the "Forbes '30 under 30': Science and Healthcare" list. She is also an elected fellow of the International Statistics Institute and the American Statistical Association. Dr. Allen currently serves as an Action Editor for the Journal of Machine Learning Research and a Series Editor for Springer Texts in Statistics. Dr. Allen received her Ph.D. in statistics from Stanford University, under the mentorship of Prof. Robert Tibshirani, and her bachelors, also in statistics, from Rice University.