

Full Name: Maadooliat, Mehdi ([CV](#))**Position:** [Assistant Professor](#)

Adj. Associate Research Scientist

Address: Cudahy Hall, Room 311
[Marquette University](#)
Milwaukee, WI, 53201[Center for Human Genetics \(CHG\)](#)
[Marshfield Clinic Res. Ins. \(MCRI\)](#)mehdi AT
mscs.mu.edu[HOME](#) | [CV](#) | [PUBLICATIONS](#) | [TEACHINGS](#) | [EXPERIENCES](#) | [PRESENTATIONS](#) | [SOFTWARE APPS](#)

University Degrees

- [Ph.d, Texas A&M, USA](#) (Statistics)
- [M.Sc, Marquette University, USA](#) (Mathematics Statistics and Computer Science)
- [B.Sc, Sharif University of Technoly, IRAN](#) (Applied Mathematics)

Research Interest

- Bioinformatics
- Machine Learning
- Proteomics
- Functional Data Analysis and Skewed Distributions

Recent Publications

- S. M. Najibi, **M. Maadooliat**, L. Zhou, J. Z. Huang and X. Gao, "[Protein structure classification and loop modeling using multiple Ramachandran distributions](#)", *Computational and Structural Biotechnology Journal*, Vol. 15, 243-254 (2017) ([webtool](#))
- **M. Maadooliat**, L. Zhou, S. M. Najibi, X. Gao and J. Z. Huang, "[Collective estimation of multiple bivariate density functions with application to angular-sampling-based protein loop modeling](#)", *Journal of the American Statistical Association*, Vol. 111, No. 513, 43-56, (2016)
- H.M. Kim, **M. Maadooliat**, R.B. Arellano-Valle and M.G. Genton, "[Skewed factor models using selection mechanism](#)", *Journal of Multivariate Analysis*, Vol.145, 162-177, (2016)
- **M. Maadooliat**, N. K. Bansal, J. Upadhy, M. R. Farazi, Z. Ye, X. Li, and S. J. Schrod, "[The decay of disease association with declining linkage disequilibrium: A fine mapping theorem](#)", *Frontiers in Genetics: Statistical Genetics and Methodology*, Vol. 7, A217, (2016) (PMC5149547)
- N. K. Bansal, G. G. Hamedani and **M. Maadooliat**, "[Testing multiple hypotheses with skewed alternatives](#)", *Biometrics*, Vol. 72, No. 2, 494-502, (2016)

Monographs

- G. G. Hamedani, **M. Maadooliat**, "[Characterizations of recently introduced univariate continuous distributions](#)", *Nova*, ISBN: 978-1-53612-261-9, (2017)
- G. G. Hamedani, **M. Maadooliat**, "[Sub-Independence: A useful concept](#)", *Nova*, ISBN: 978-1-63463-476-2, (2015)

Honors and Awards

- **Way Klingler Young Scholar Award (2016)**: supports promising young scholars in critical stages of their careers following their third-year review. The award is intended to fund \$2,000 in operating cost and to cover a portion of salary to afford the recipient a one-semester release from teaching.