
Dr. Mohammad Tabatabai, Professor of Biostatistics, Graduate Studies and Research at Meharry Medical College



Dr. T serves as a member of the Research Design, Biostatistics and Clinical Research Ethics (DBRE) Core of Meharry Clinical and Translational Research Center (MeTRC). His methodological research area is in biostatistics with an emphasis on Hyperbolastic growth models, Hypertabastic survival models, TELBS robust linear regression, robust nonlinear regression including logistic, probit and multinomial models for nominal and ordinal data, longitudinal linear and nonlinear mixed effects models. He has published over 70 articles in peer refereed journals and is a co-author of the book entitled “Mathematical Modeling with Applications in Biosciences and Engineering”. He has recently been honored as the recipient of the prestigious Professor of the Year Award by the Meharry Medical College pre alumni association. Dr. Tabatabai has developed novel statistical methods that are currently being used by researchers in very many areas of biomedical research.

His current research includes HIV/HCV co-infection, Hyperbolastic longitudinal mixed effects methods and their applications in analyzing cervical, breast, lung and bronchus cancer data. His models have been used to analyze tumor growth, animal growth, speed of mortality, wound healing, stem cell proliferation and incidence rates for a variety of cancers.

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