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**Frazier Bindele**. *Rank Estimation for the Functional Linear Model*.

In this work we discuss the estimation of the parameter function for a functional linear regression model under heavy tailed errors' distributions and in the presence of outliers. Standard approaches of reducing the high dimensionality, which is inherent in functional data, are considered. After reducing the functional model to a standard multiple linear regression model, a weighted rank-based procedure is carried out to estimate the regression parameters. A Monte Carlo simulation and a real world example are used to show the performance of the proposed estimator and a comparison made with the LS and LAD estimators. (Received September 02, 2014)