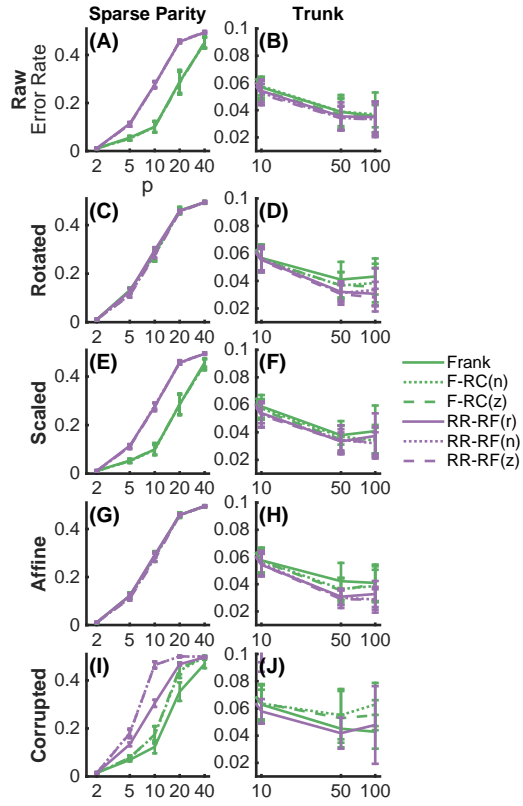**Supplementary Materials**

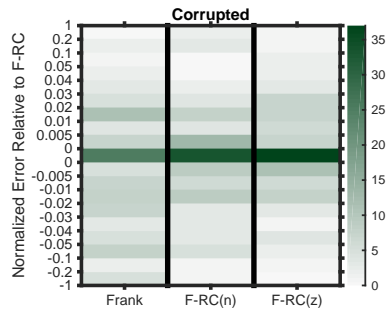Figure S1: Comparison of feature scaling methods on the simulated datasets

Figure S2: Histograms of error relative to F-RC normalized by chance probability of error on the corrupted benchmark datasets. FRANK performs better than F-RC more often than does F-RC(n) or F-RC(z), suggesting that rank transformations are better than perentile normalization or z-scoring at mitigating the effects of data corruption.