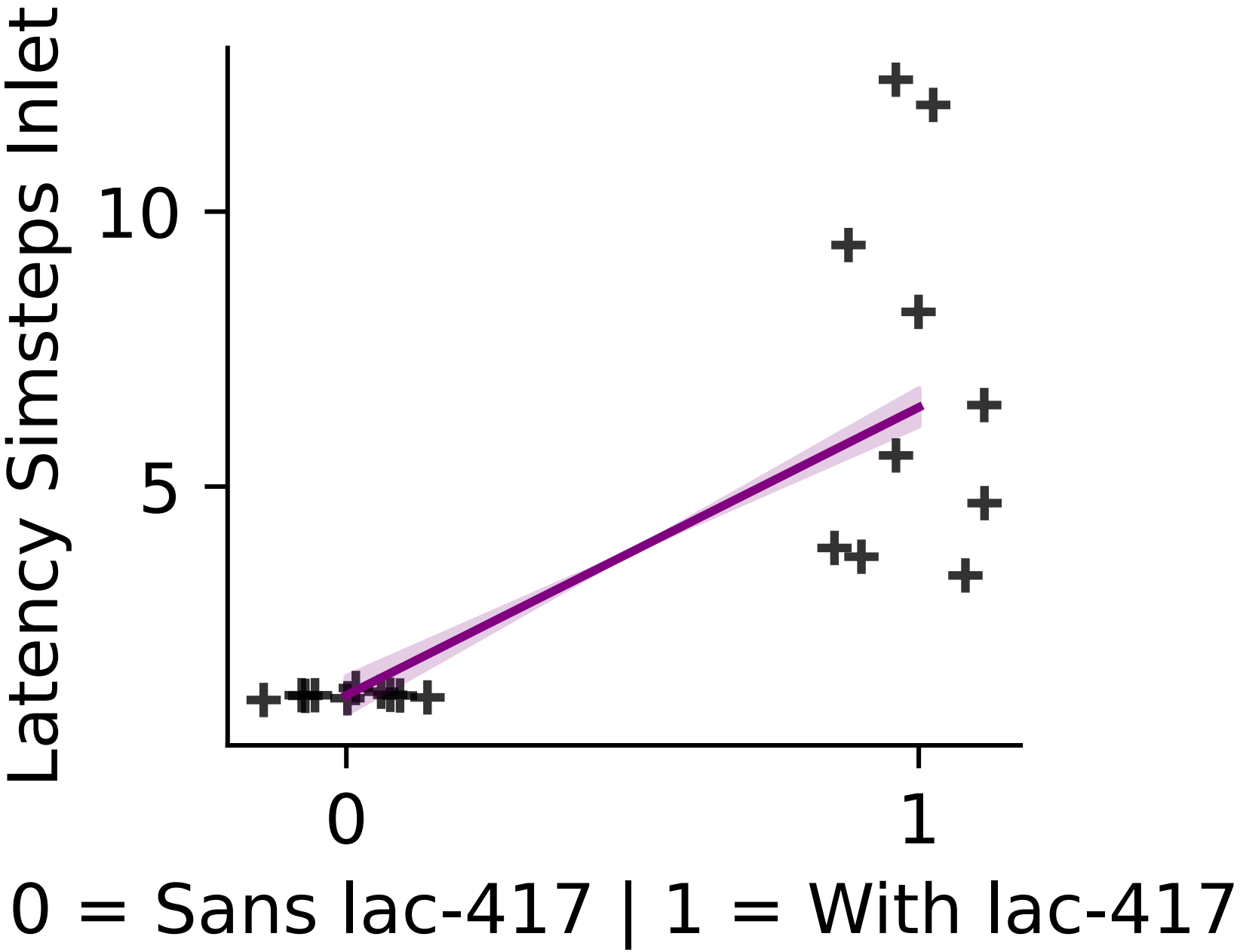Quantile Regression over Means