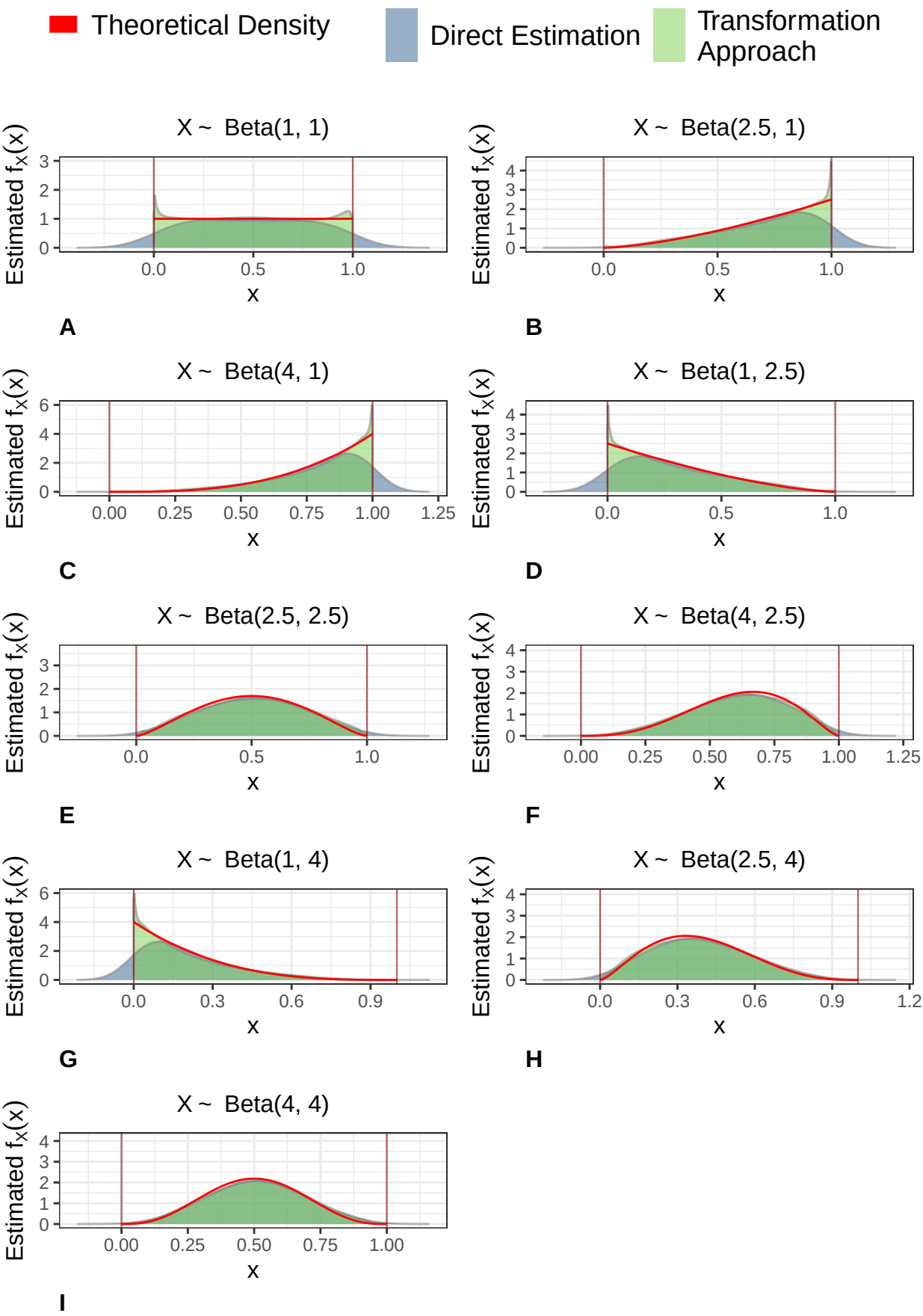omparing Approaches for Estimating $f_X(x)$ for Different Beta Distributio