## Comparison of Imputation Methods Across Metrics

Including Original Data and Relative Differences

| | category | Original | Upper Quartile | Upper Quartile Relative[1] | PMM | PMM Relative[1] | PMM Best | PMM Best Relative[1] | M Imputa |
|---|---|---|---|---|---|---|---|---|---|
| jsd_control | JSD Comparison | 0.00 | 0.97 | NA | 0.76 | NA | 0.62 | NA | |
| jsd_silvo | JSD Comparison | 0.00 | 0.90 | NA | 0.67 | NA | 0.10 | NA | |
| mean_control_se | Descriptive Stats | 17.37 | 14.71 | 0.153 | 20.29 | 0.168 | 17.96 | 0.034 | 1 |
| mean_silvo_se | Descriptive Stats | 14.72 | 12.51 | 0.150 | 18.15 | 0.233 | 14.62 | 0.007 | 1 |
| range_control_se | Descriptive Stats | 2,129.93 | 2,129.93 | 0.000 | 2,129.93 | 0.000 | 2,129.93 | 0.000 | 2,12 |
| range_silvo_se | Descriptive Stats | 608.00 | 608.00 | 0.000 | 608.00 | 0.000 | 608.00 | 0.000 | 60 |
| sd_control_se | Descriptive Stats | 91.57 | 83.13 | 0.092 | 90.36 | 0.013 | 88.08 | 0.038 | 8 |
| sd_silvo_se | Descriptive Stats | 58.65 | 53.33 | 0.091 | 63.52 | 0.083 | 57.65 | 0.017 | 5 |
| var_control_se | Variance Comparison | 8,385.83 | 6,911.36 | 0.176 | 8,165.30 | 0.026 | 7,758.90 | 0.075 | 6,87 |
| var_silvo_se | Variance Comparison | 3,440.40 | 2,844.48 | 0.173 | 4,035.00 | 0.173 | 3,324.02 | 0.034 | 2,82 |

[1] Relative differences are calculated as |(imputed - original) / original|.