Equation 1: Standardizing X values

Where

And

when weights = 1 only?

Equation 2: Kcount

Where i= treated observation and j = matched control observations

Equation 3: YCAUS

Where i= treated observation and j = matched control observations and W= treatment indicator (1: treated)

Equation 4: ZCAUS

Equation 5

W= treatment indicator (1: treated, 0: not treated)

Equation 6

Where for W=1 (ATT)

Equation 7

Where

Equation 8

Equation 9

Equation 10.

Equation 11

Equation 12

If Bias\_Adj=T

If Bias\_Adj=F

Equation 13