APPENDIX-XVII

SHOWING CALCULATION OF CORRELATION CO-EFFICIENT FOR SPLIT-
HALF RELIABILITY OF THE ATTITUDE SCALE

\[ XY = 7828820 \]
\[ X^2 = 7712880 \]
\[ Y^2 = 8001880 \]
\[ M_x = 123.48 \]
\[ M_y = 125.76 \]
\[ N = 500 \]

\[
r = \frac{XY - 500 \times M_x \times M_y}{\sqrt{X^2 - 500 \times M_x^2} \sqrt{Y^2 - 500 \times M_y^2}}
\]

\[
r = \frac{7828820 - 500 \times 123.48 \times 125.76}{\sqrt{7712880 - 500 \times (123.48)^2} \sqrt{8001880 - 500 \times (125.76)^2}}
\]

\[
r = .70
\]

\[
x_{11} = \frac{2r_1 \frac{1}{2}}{1 + r_1 \frac{1}{2}}
\]

\[
x_{11} = \frac{2 \times .70}{1 + .70}
\]

\[
x_{11} = .82
\]