

Errata to
Testing the Assumptions of Age-to-Age Factors
By Venter, G.G. in *PCAS LXXXV*, 1998

Casualty Actuarial Society¹

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This note presents errata to material in Venter’s paper on “Testing the Assumptions of Age-to-Age Factors.” Items printed in **red** indicate an update, clarification, or change.

1. Errata

The following passage of Venter Factors (page 833) should be amended from:

Letting r denote the sample correlation coefficient, define $T = r[(n - 2) / (1 - r^2)]^{1/2}$. A significance test for the correlation coefficient can be made by considering T to be t-distributed with $n - 2$ degrees of freedom. If T is greater than the t-statistic for 0.9 at $n - 2$ degrees of freedom, for instance, then r can be considered significant at the 10% level. (See Miller and Wichern [7, p. 214].)

to:

Letting r denote the sample correlation coefficient, define $T = r[(n - 2) / (1 - r^2)]^{1/2}$. **Given correlations can be positive or negative, a two-tailed** significance test for the correlation coefficient can be made by considering T to be t-distributed with $n - 2$ degrees of freedom. If **|T|** is greater than the t-statistic for **0.95** at $n - 2$ degrees of freedom, for instance, then r can be considered significant at the 10% level. (See Miller and Wichern [7, p. 214].)

¹ This note was prepared by the Exam 7 Syllabus Committee.