

Errata for Malcolm Kemp's *ExtremeEvents: Robust Portfolio Construction in the Presence of Fat Tails*, published by Wileys

[Nematrian website page: [ExtremeEventsErrata](#), © Nematrian 2015]

In paragraph (a) on page 34, after the words “then the Central Limit Theorem implies that over this short time interval the return should be approximately Normal” there should be a footnote saying:

“To be more precise, we are here envisaging a situation where we have, say, n ‘similar’ contributory factors (each with finite variance) and as $n \rightarrow \infty$ we give less and less weight to each individual factor but have more and more of them. If instead the contributory factors become more and more non-Normal as $n \rightarrow \infty$ (i.e. do not stay ‘similar’ as $n \rightarrow \infty$) then the CLT may break down, see Kemp (2010).”

A counter-example, if the distributional form of the individual factors changes as n increases, which is what “Kemp (2010)” here refers, to is given in [Extreme Events Errata \(1\)](#).

On page 171 Equation 5.25 should read:

$$\Rightarrow \mathbf{r} - 2\lambda\mathbf{V}(\mathbf{x} - \mathbf{b}) + L \cdot \mathbf{1} = 0 \Rightarrow \mathbf{r} = 2\lambda\mathbf{V}(\mathbf{x} - \mathbf{b}) - L \cdot \mathbf{1}$$

And Equation 5.26 should read:

On page 171 Equation 5.25 should read:

$$\Rightarrow \mathbf{x} = \mathbf{b} + \frac{1}{2\lambda}\mathbf{V}^{-1}\mathbf{r}$$