Statistical Consequences of Fat Tails
Errata

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August 2020

I. Typos

Equ. 4.8 \{a_1, a_2, a_3, a_4\}, a + and − signs were inverted between \(a_1\) and \(a_2\).

4.13: \(E(X^{1/p})\) not \(E(X)^{1/p}\)

Section 4.43 (derivations before Eq. 4.14): \(\frac{MD}{STD}\) should be \(\frac{STD}{MD}\).

Allora, for consistency, Equ. 4.14 (centering around the mean)

\[
\frac{STD}{MD} = \frac{1}{2\sqrt{\alpha-2(\alpha-1)^{\alpha-1}\alpha^{-\alpha}}},
\]

by centering around the mean.

II. Less Relevant (Cleaner Presentation)

Some "distinctions without differences" and abuses of notation. Changed in the 2nd edition.

After Eq. 4.11: So we can see [removing constraints and/or allowing for negative values] how higher moments become rapidly explosive. [CLEARER]

Eq 4.12- Remove \(1/n\) (depends on your definition of a norm)

Eq 2.3 and others defining kappa:

\[
\kappa_{n_0,n} : \frac{M(n)}{M(n_0)} = \left(\frac{n}{n_0}\right)^{2-\kappa_{n_0,n}}
\]

\[P(X > x) \sim L(x)x^{-\alpha}\] Should be \(=\) not \(\sim\) across definitions of power laws.