

Bootstrap inference for conditional risk measures

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ASSERTIONS (STELLINGEN)

ACCOMPANYING THE THESIS

Bootstrap Inference for Conditional Risk Measures

BY

ALEXANDER HEINEMANN

1. The concept of weak convergence extends to a framework without fixed point distribution, called merging. (Chapter 2)
2. For quantiles: reverting the tails of the bootstrap interval can lead to improved coverage. (Chapter 4)
3. The Expected Shortfall of a Student-t distributed random variable possesses a simple, algebraic form. (Chapter 5)
4. Conditional volatility models are relatively simple, yet powerful models to mimic the temporal dependence in financial time series, which is known as *volatility clustering*. (Chapters 2-5)
5. The term valorization (German: Verwertung) goes back to Karl Marx and the idea of self-expansion of capital. (Valorization)
6. Computer science is the art of translating world changing ideas into strings of zeros and ones.
7. *“Only two things are infinite, the universe and human stupidity, and I’m not sure about the former.”* - Albert Einstein (1879 - 1955)
8. Econometricians seem obsessed with food: They regard bootstrap algorithms as cooking recipes and call ARCH model extensions the alphabet soup of ARCH. Any food for thought?