

Some Extreme Value Theory Resources

Introductory level:

Weissman, I., "Estimation of Parameters and Large Quantiles Based on the k Largest Observations." *JASA*, Dec, 1978, Vol 73, No 364, pp. 812-815.

Zelnerman, D. "A Semiparametric Bootstrap Technique for Simulating Extreme Order Statistics." *JASA*, June 1993 Vol 88, No 422 pp. 477-485.

Intermediate level:

Arnold, Balakrishnan, Nagaraja - "Records." John Wiley & Sons. ISBN: 0-471-08108-6.

Boos, D. D., "Using Extreme Value Theory to Estimate Large Percentiles." *Technometrics*. Feb 1984, vol 26, no 1 pp 33-39.

Castillo, Galambos, Sarabia, "The Selection of the Domain of Attraction of an Extreme Value Distribution from a Set of Data." *Lecture Notes in Statistics*, Vol. 51 *Extreme Value Theory* Springer-Verlag 1989 pp 181-190.

Falk, M. "Best Attainable Rate of Joint Convergence of Extremes." *Lecture Notes in Statistics*, Vol. 51 *Extreme Value Theory* Springer-Verlag 1989, pp 1-9.

Gumbel, E.J. *Statistics of Extremes*. Columbia University Press, NY 1958.

Reiss R.-D. "Extended Extreme Value Models and Adaptive Estimation of the Tail Index." *Lecture Notes in Statistics*, Vol. 51 *Extreme Value Theory* Springer-Verlag 1989 p 157.

Business Applications:

Bensalah, Y. "Steps in Applying Extreme Value Theory to Finance: A Review," *Bank of Canada Working Paper 2000-20*. November.

Craighead, S., "Risk in Investment Accumulation Products of Financial Institutions," *Proceeding for the Risk in Investment Accumulation Products of Financial Institutions*. SOA.

Craighead, S., "Insolvency Testing, Extreme Value Statistics and Resampling," *AFIR 1996*, Vol. II. Pp. 1669-1691.

Craighead, S., "Extreme Value Statistics, Resampling and Insolvency Testing," *ARCH 1996*, Vol. 1., pp. 183-223.

Craighead, S., "Insolvency Testing: An Empirical Analysis of the Generalized Beta Type 2 Distribution, Quantile Regression, and a Resampled Extreme Value Technique," *ARCH 2000*, Vol. 2, pp. 13-159.

Leggett, D. and Craighead, S., "Risk Drivers Revealed: Quantile Regression and Insolvency" *ARCH 2000*, Vol. 2, pp. 321-348.

Miscellaneous:

Wang, J. Z. "Selection of the k Largest Order Statistics for the Domain of Attraction of the Gumbel Distribution", JASA, June 1995, Vol 90, No 431, pp. 1055-1061.

Zelterman, D, and Lindgren, T. "Bootstrap Methods for Extreme Order Statistics," in INTERFACE '90 Proceedings, ed. C. Page and R. LePage, New York: Springer-Verlag 1992, pp. 580-582.

Taleb and Pilpel, "Random Processes, Opacity and Knowledge: The Central Problem," preprint.