## Severity Class Cheat Sheet

© Severity(name, sev\_name="", sev\_a=np.nan, sev\_b=0, sev\_mean=0, sev\_cv=0, sev\_loc=0, sev\_scale=0, sev\_xs=None, sev\_ps=None, sev\_wt=1, sev\_lb, sev\_ub, sev\_conditional=True)

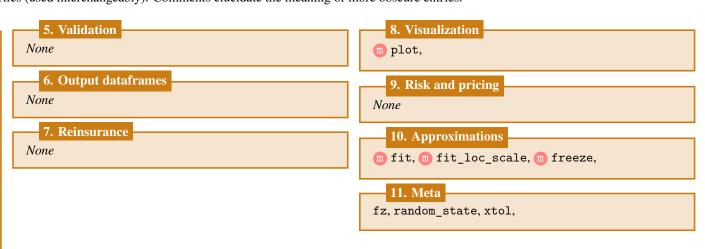
The following tables show all © methods, and fields or properties (used interchangeably). Comments elucidate the meaning of more obscure entries.

## 1. Specification & creation name explsev name expl $sev_a expl$ sev\_b expl sev\_mean expl sev cv expl sev\_loc expl sev scale expl sev xs expl sev\_ps expl sev wt expl sev lb expl sev ub expl $sev_conditional$ expl2. Update m cv to shape, m mean to scale, pattach, pdetach, 3. Moments m generic moment, m mean, m median, m moment, moment\_type, moms, sev1, sev2, sev3, m stats, m std, m support, m var,

m cdf, m entropy, m expect, m interval, m isf,
m logcdf, m logpdf, m logsf, m nnlf, m pdf,

4. Statistical functions

m ppf, m rvs, m sf, m vecentropy,



## **Notes:**

[0]: Arguments sev\_pick\_attachments=None, sev\_pick\_losses=None, omitted; see help.

[1]: matches Portfolio

Any vectorizable input accepts numeric or iterable datatypes. Abbreviations: gcn=gross (subject), ceded, and net; stats: m=mean, cv=coefficient of variation, sd=standard deviation, var=variance, skew(ness); VaR=value-at-risk