

Severity Class Cheat Sheet

The Severity call signature, `sev_xs`, `sev_ps` equal dsev outcomes and probabilities,

```
m 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 `m` methods, and fields or properties (used interchangeably). Comments elucidate the meaning of more obscure entries.

<div>1. Specification & creation</div> <div>a, attachment, b, badvalue, conditional, detachment, extradoc, limit, long_name, name, note, numargs, program, sev_loc, sev_name, sev_wt, shapes,</div>	<div>5. Validation</div> <div>None</div>	<div>8. Visualization</div> <div>m plot,</div>
<div>2. Update</div> <div>m cv_to_shape, m mean_to_scale, pattach, pdetach,</div>	<div>6. Output dataframes</div> <div>None</div>	<div>9. Risk and pricing</div> <div>None</div>
<div>3. Moments</div> <div>m generic_moment, m mean, m median, m moment, m moment_type, m moms, sev1, sev2, sev3, m stats, m std, m support, m var,</div>	<div>7. Reinsurance</div> <div>None</div>	<div>10. Approximations</div> <div>m fit, m fit_loc_scale, m freeze,</div>
<div>4. Statistical functions</div> <div>m cdf, m entropy, m expect, m interval, m isf, m logcdf, m logpdf, m logsf, m nmlf, m pdf, m ppf, m rvs, m sf, m vecentropy,</div>		<div>11. Meta</div> <div>fz, random_state, xtol,</div>

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

