`Underwriter` Class Cheat Sheet

m `Underwriter(name='Rory', databases=None, update=False, log2=10, debug=False)`

The `Underwriter` call signature lists DecL program databases to pre-load (e.g. test_suite or site specific severity curves and aggregate distributions). The following tables show all m `methods`, and fields or properties (used interchangeably). Comments elucidate the meaning of more obscure entries.

1. Specification & creation

`name` *asdf*
`databases` *name or list of names of severity curves and aggregate DecL files to pre-load*
`update` *update (calculate probabilities) created objects with default settings*
`log2` *default number of buckets for discretization*
`debug` *asdf*

2. Update

`knowledge`, `lexer`, `log2`, `parser`, m `read_database`, m `read_databases`, m `safe_lookup`, `update`, m `write`, m `write_from_file`,

3. Moments

None

4. Statistical functions

None

5. Validation

m `interpret_program`, m `interpreter_file`, m `interpreter_line`, m `interpreter_list`, m `interpreter_test_suite`, m `test_suite`,

6. Output dataframes

None

7. Reinsurance

None

8. Visualization

None

9. Risk and pricing

None

10. Approximations

None

11. Meta

m `build`, `case_dir`, `databases`, `debug`, `default_dir`, m `dir`, m `factory`, m `logger_level`, m `more`, `name`, m `qlist`, m `qshow`, m `show`, `site_dir`, `template_dir`, `test_suite_file`, `version`,

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