

Conformance Metric Template

<i>Name</i>	The unique, descriptive identifier of the metric.
<i>Synopsis</i>	A short description of the type of violations the metric measures, e.g. “commits without tests”.
<i>Description</i>	Overview of the expected process, i.e. the practice which should be followed, and its advantages, with references to literature. A description of what constitutes a violation of this process should be included.
<i>Data sources</i>	The manually as well as automatically collected data sources that the metric bases the <i>query</i> on, e.g. issue tracker.
<i>Query</i>	Steps needed to extract violations of the defined process from the <i>data sources</i> . Ideally, these steps can be automated, e.g. a database query or a script.
<i>Rating function</i>	Function that maps the output of the <i>query</i> , or parts of it, into a score, indicating the degree of mismatch between the executed process and the one detailed in the <i>description</i> .
<i>Pitfalls</i>	Description of what the metric does <i>not</i> measure, limitations, possible misconceptions about the results of the metric.
<i>Categories</i>	The categories of practices this metric falls under, e.g. “XP practices” or “backlog maintenance”
<i>Effort</i>	How much effort collecting violations and calculating a score requires. Either low, medium or high. Using an automated process on existing data sources is “low” effort.
<i>Severity</i>	Importance in the context of the project’s agile development process. How severe violations found by this metric are. Either informational, very low, low, normal or high.

Conformance metric template. Conformance metrics include information about the agile practices that are measured, as well as the specifics of how to measure and evaluate deviations. All conformance metrics of ScrumLint follow this pattern.