

# Empirical Measures Template

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The tools for Empirical Measures:

- [git\\_stats](#)
- [scc](#)

[For now it only contains raw metrics. We'll have to consider how to use them to calculate more meaningful metrics. —AD]

Table 1: Grading Template

<b>Raw Metrics</b> (Measured via <a href="#">git_stats</a> )
Number of text-based files. (number)
Number of binary files. (number)
Number of total lines in text-based files. (number)
Number of total lines added to text-based files. (number)
Number of total lines deleted from text-based files. (number)
Number of total commits. (number)
Numbers of commits by year in the last 5 years. (Count from as early as possible if the project is younger than 5 years.) (list of numbers)
Numbers of commits by month in the last 12 months. (list of numbers)
<b>Raw Metrics</b> (Measured via <a href="#">scc</a> )
Number of text-based files. (number)
Number of total lines in text-based files. (number)
Number of code lines in text-based files. (number)
Number of comment lines in text-based files. (number)
Number of blank lines in text-based files. (number)
<b>Raw Metrics</b> (Measured via GitHub API)
Numbers of commits, added lines, and deleted lines by author by week. (2-dimensional list of numbers) [ <a href="#">I know we're not likely to measure this. Just a note that we can get this data. It's only available for GitHub repos, and I have to test tools for parsing JSON data (e.g. to Excel table).</a> —AD]