

# Style Guide

## Python

- 4 spaces per indentation level
- Maximum length of line is 79 characters
- If necessary, line should break after binary operator
- Variables and functions should follow camel case convention
- Methods should just do one thing
- Operators and assignments should be separated by a space (eg. `i = i + 1`)
- Consistent method and variable naming, with the names explaining their purpose
- Local variables can repeat names (eg. `index` could be used as a local variable in two separate functions)
- Surround top-level function and class definitions with two blank lines.
- Method definitions inside a class are surrounded by a single blank line.
- Extra blank lines may be used (sparingly) to separate groups of related functions. Blank lines may be omitted between a bunch of related one-liners (e.g. a set of dummy implementations).
- Use blank lines in functions, sparingly, to indicate logical sections.
- No unnecessary spaces.
  - Immediately inside parentheses, brackets or braces
  - Between a trailing comma and a following close parenthesis
  - Immediately before a comma, semicolon, or colon
  - Immediately before the open parenthesis that starts the argument of a function call
  - Immediately before the open parenthesis that starts an indexing or slicing