

# WagMore Style Guide

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Naming Conventions | Format / Code Style | Code Organization

*(Pulled out from various style guide sources for python an html/css and modified accordingly)*

## Naming Conventions

The following naming styles are commonly distinguished:

- `b` (single lowercase letter)
- `B` (single uppercase letter)
- `lowercase`
- `lower_case_with_underscores`
- `UPPERCASE`
- `lowerUpper`

### Names to avoid:

- `UPPERCASE`
- `UPPER_CASE_WITH_UNDERSCORES`

## Format (HTML/CSS)

Use only lowercase.

All code must be lowercase: This applies to HTML element names, attributes, attribute values (unless `text/CDATA`), CSS selectors, properties, and property values (with the exception of strings).

```
<!-- Not recommended -->
<A HREF="/">Home</A>
```

```
<!-- Recommended -->

```

```
/* Not recommended */
color: #E5E5E5;
```

```
/* Recommended */  
color: #e5e5e5;
```

### **Format (Python)**

Yes:

```
# Aligned with opening delimiter.
```

```
foo = long_function_name(var_one, var_two,  
                           var_three, var_four)
```

No:

```
# Arguments on first line forbidden when not using vertical alignment.
```

```
foo = long_function_name(var_one, var_two,  
                           var_three, var_four)
```

Yes:

```
# Aligned with opening delimiter.
```

```
def foo()  
    print('hello')
```

No:

```
# Forbidden to align code body at the same line as prototype
```

```
def foo()  
  
print('hello')
```

### **Commenting Guidelines (Python)**

Comment your code. Entire commented lines should begin with `#` and one space.

Short comments can be placed after code preceded by two spaces, `#`, and then one space.

```
# Create histogram of frequency of campaigns by pct budget spent.
hist(df$pct.spent,
      breaks = "scott", # method for choosing number of buckets
      main   = "Histogram: fraction budget spent by campaignid",
      xlab   = "Fraction of budget spent",
      ylab   = "Frequency (count of campaignids)")
```

## Commenting Guidelines (HTML/CSS)

### 80 Characters Wide

Where possible, limit CSS files' width to 80 characters. Reasons for this include

- the ability to have multiple files open side by side;
- viewing CSS on sites like GitHub, or in terminal windows;
- providing a comfortable line length for comments.

```
/**
 * I am a long-form comment. I describe, in detail, the CSS that
 follows. I am
 * such a long comment that I easily break the 80 character limit, so I
 am
 * broken across several lines.
 */
```

### Format (HTML/CSS)

Indent by 2 spaces at a time.

Don't use tabs or mix tabs and spaces for indentation.

```
<ul>
  <li>Fantastic
  <li>Great
</ul>
.example {
  color: blue;
}
```

Always declare the document type as the first line in your document(only upper case):

```
<!DOCTYPE html>
```

## Code Organization

- don't include CSS in the same HTML file; link to external style sheets.
- Organize sections of code by component.
- Develop a consistent commenting hierarchy.
- Use consistent white space to your advantage when separating sections of code for scanning larger documents.
- When using multiple CSS files, break them down by component instead of page. Pages can be rearranged and components moved.

```
/*
 * Component section heading
 */

.element { ... }

/*
 * Component section heading
 *
 * Sometimes you need to include optional context for the entire
 * component. Do that up here if it's important enough.
 */

.element { ... }

/* Contextual sub-component or modifier */
.element-heading { ... }
```

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