

Coding style guide for IsoriX

The IsoriX core team

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This small vignette is only intended to those who would like to contribute to the development of **IsoriX**. It describes the conventions one should follow while coding source code. Note that we have not always followed such conventions but we will progressively reformat the code in such way.

Assignment

Assignments are done using an arrow `<-`, not `=`.

```
## Example:  
y <- 2
```

Notation and naming

Objects

Datasets should be named in the format `SomethingType`.

Classes

Classes should have a name of the format `somethingVerb`.

Functions

The name of internal functions should be of the format `dosomething_somethingelse`, where the input is `something_somethingelse` and the output for the global environment should be `my_something`.

Curly braces

The opening curly braces are separated with one white space and the closing ones go on a new line and are aligned with the first command. The else statement is surrounded by curly braces on the same line.

```
## Example for an if-condition:  
if (y == 0) {  
  log(y)  
} else {  
  y ^ 2  
}
```

The same goes for a function except we do not put a space before the left parentheses.

```
## Example for a function:  
function(x) {  
  x + x  
}
```

Organisation

Indentation and Spacing

We have 2 spaces indentation throughout the whole code. An exception is made when a line break occurs inside parentheses, then the wrapped line is aligned with the first character inside the parenthesis.

```
## Example:  
plot(x = sort(rnorm(47)),  
      type = "s",  
      main = "title")
```

Spaces go around all operators (+, =, <-, !=, ==, etc.) for improved readability.

Commenting guidelines

For comments inside the code we use a double hash `##` to separate real comments from commented code chunks with only a single hash `#`.