

using easystats notes

January 1, 2023

To run:

- quarto preview -to pdf # (opens in a viewer)
- quarto render % ; zathura # not quite right cli
- math mode latex, seems to work if *outside* R chunk

$$x^2$$

Air Quality

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minipage 1

Here is a bulleted list
(`singlespace` environment).

- One
- Two
- Three

The list has ended.

%

Symbol and minipage 2

See R Lang Ref: 2.1.3.1 `Symbol` (aka `name`), usually name of R object. Use ``as.name()` to coerce to symbol or `quote()` or atoms of `parse()`

In order to manipulate symbols we need a new element in our language: the ability to quote a data object. Suppose we want to construct the list (a b). We can't accomplish this with (list a b), because this expression constructs a list of the values of a and b rather than the symbols themselves. This issue is well known in the context of natural languages, where words and sentences may be regarded either as semantic entities or as character strings (syntactic entities). The common practice in natural languages is to use quotation marks to indicate that a word or a sentence is to be treated literally as a string of characters. For instance, the first letter of "John" is clearly "J." If we tell somebody "say your name aloud," we expect to hear that person's name. However, if we tell somebody "say 'your name' aloud," we expect to hear the words "your name." Note that we are forced to nest quotation marks to describe what somebody else might say. We can follow this same practice to identify lists and symbols that are to be treated as data objects rather than as expressions to be evaluated. However, our format for quoting differs from that of natural languages in that we place a quotation mark (traditionally, the single quote symbol ') only at the beginning of the object to be quoted. We can get away with this in Scheme syntax because we rely on blanks and parentheses to delimit objects. Thus, the meaning of the single quote character is to quote the next object. Now we can distinguish between symbols and their values:

<https://stackoverflow.com/questions/8846628/what-exactly-is-a-symbol-in-lisp-scheme>

The list has ended.