

Map and Anonymous Functions: Takeaways



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Syntax

WORKING WITH JSON FILES

- Open a JSON dataset from a file to R dataframe using

```
jsonlite
```

package:

```
f <- fromJSON('filename.json')
```

- Convert JSON data from a string to a dataframe:

```
fromJSON(json_string)
```

ANONYMOUS FUNCTIONS

- Converting a definition to an anonymous function:

- Defining a function:

```
double <- function(x) {  
  x * 2  
}
```

- Defining an anonymous function:

```
run_function( function(x) x * 2 )
```

MAP FUNCTIONS

- Use map functions as a powerful alternative to loop

- `map()` function for any type list output
- `map_df()` function for dataframe output
- `map_lgl()` for logical vector output
- `map_int()` for integer vector output
- `map_dbl()` for double vector output
- `map_chr()` for character vector output

Concepts

- JSON is a language independent format for storing structured data.
 - In R, it can be represented by a series of nested lists and dataframes.
- Anonymous functions can be defined in a single line, which lets you define a function at the time you need it.

Resources

- [Official JSON specification](#)
- [jsonlite package](#)
- [purrr package](#)

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