

# plumber.R

Medion

2022-03-23

```
#
# This is a Plumber API. You can run the API by clicking
# the 'Run API' button above.
#
# Find out more about building APIs with Plumber here:
#
#   https://www.rplumber.io/
#

library(plumber)

## @apiTitle Bayesian Statistics Exam
## @apiDescription This will take place at Utrecht University on 6th April 2022

## Echo back the input
## @param msg The message to echo
## @get /echo
function(msg = "") {
  list(msg = paste0("The message is: '", msg, "'"))
}

## function(msg = "") {
##   list(msg = paste0("The message is: '", msg, "'"))
## }

## Plot a histogram
## @serializer png
## @get /plot
function() {
  rand <- rnorm(100)
  hist(rand)
}

## function() {
##   rand <- rnorm(100)
##   hist(rand)
## }

## Return the sum of two numbers
## @param a The first number to add
## @param b The second number to add
```

```
## @post /sum
function(a, b) {
  as.numeric(a) + as.numeric(b)
}
```

```
## function(a, b) {
##   as.numeric(a) + as.numeric(b)
## }
```

```
# Programmatically alter your API
## @plumber
function(pr) {
  pr %>%
    # Overwrite the default serializer to return unboxed JSON
    pr_set_serializer(serializer_unboxed_json())
}
```

```
## function(pr) {
##   pr %>%
##     # Overwrite the default serializer to return unboxed JSON
##     pr_set_serializer(serializer_unboxed_json())
## }
```