

# Package ‘ravedash’

June 23, 2022

**Type** Package

**Title** Dashboard System for Reproducible Visualization of ‘iEEG’

**Version** 0.1.1

**Description** Dashboard system to display the analysis results produced by ‘RAVE’ (Magnotti J.F., Wang Z., Beauchamp M.S. (2020), R analysis and visualizations of ‘iEEG’ <[doi:10.1016/j.neuroimage.2020.117341](https://doi.org/10.1016/j.neuroimage.2020.117341)>). Provides infrastructure to integrate customized analysis pipelines into dashboard modules, including file structures, front-end widgets, and event handlers.

**License** MIT + file LICENSE

**Encoding** UTF-8

**Language** en-US

**Imports** dipsaus (>= 0.2.0), logger (>= 0.2.2), raveio (>= 0.0.5.9000), rpymat (>= 0.1.2), shidashi (>= 0.1.0.9000), shiny (>= 1.7.1), shinyWidgets (>= 0.6.2), threeBrain (>= 0.2.4), shinyvalidate

**Suggests** fastmap (>= 1.1.0), rlang (>= 1.0.2), crayon (>= 1.4.2), rstudioapi, knitr, rmarkdown

**RoxygenNote** 7.2.0

**URL** <https://dipterix.org/ravedash/>

**BugReports** <https://github.com/dipterix/ravedash/issues>

**VignetteBuilder** knitr

**NeedsCompilation** no

**Author** Zhengjia Wang [aut, cre, cph]

**Maintainer** Zhengjia Wang <[dipterix.wang@gmail.com](mailto:dipterix.wang@gmail.com)>

**Repository** CRAN

**Date/Publication** 2022-06-23 07:30:02 UTC

## R topics documented:

card_url . . . . .	2
debug_modules . . . . .	3
group_box . . . . .	4
logger . . . . .	5
module_server_common . . . . .	6
new_rave_shiny_component_container . . . . .	8
random-text . . . . .	9
rave-input-output-card . . . . .	10
rave-runtime-events . . . . .	12
rave-session . . . . .	15
rave-ui-preset . . . . .	16
ravedash_footer . . . . .	20
run_analysis_button . . . . .	21
safe_observe . . . . .	22
shiny_icons . . . . .	22
simple_layout . . . . .	23
<b>Index</b>	<b>25</b>

---

card_url	<i>Set 'URL' scheme for modules</i>
----------	-------------------------------------

---

### Description

Automatically generates href for [input\\_card](#) and [output\\_card](#)

### Usage

```
set_card_url_scheme(module_id, root, sep = "/")
```

```
card_href(title, type = "input", module_id = NULL)
```

### Arguments

module_id	the module ID
root	'URL' default route
sep	separation
title	a title string that will be used to generate 'URL'
type	type of the card; choices are 'input' or 'output'

### Value

The hyper reference of suggested card 'URL'

**Examples**

```
set_card_url_scheme(
  module_id = "power_explorer",
  root = "https://openwetware.org/wiki/RAVE:ravebuiltins",
  sep = ":")

card_href("Set Electrodes", type = "input", module_id = "power_explorer")
```

---

debug_modules	<i>Debug 'RAVE' modules interactively in local project folder</i>
---------------	---

---

**Description**

Debug 'RAVE' modules interactively in local project folder

**Usage**

```
debug_modules(
  module_root = rstudioapi::getActiveProject(),
  host = "127.0.0.1",
  port = 17283,
  jupyter = FALSE,
  ...
)
```

**Arguments**

module_root	root of modules, usually the project folder created from 'shidashi' template
host, port	host and port of the application
jupyter	whether to launch 'Jupyter' server; default is false
...	passed to <a href="#">render</a>

**Value**

'RStudio' job ID

---

`group_box`*Group input elements into a box with title*

---

### Description

Only works in template framework provided by 'shidashi' package, see [use\\_template](#)

### Usage

```
group_box(title, ..., class = NULL)
```

```
flex_group_box(title, ..., class = NULL, wrap = "wrap", direction = "row")
```

### Arguments

<code>title</code>	the box title
<code>...</code>	elements to be included or to be passed to other methods
<code>class</code>	additional class of the box
<code>wrap, direction</code>	see <a href="#">flex_container</a>

### Value

A 'HTML' tag

### Examples

```
library(shiny)
library(shidashi)
library(ravedash)

group_box(
  title = "Analysis Group A",
  selectInput("a", "Condition", choices = c("A", "B")),
  sliderInput("b", "Time range", min = 0, max = 1, value = c(0,1))
)

flex_group_box(
  title = "Project and Subject",
  flex_item( "Some input 1" ),
  flex_item( "Some input 2" ),
  flex_break(),
  flex_item( "Some input in new line" )
)
```

---

logger                      *Logger system used by 'RAVE'*

---

## Description

Keep track of messages printed by modules

## Usage

```
logger(
    ...,
    level = c("info", "warning", "error", "fatal", "debug", "trace"),
    calc_delta = "auto",
    .envir = parent.frame(),
    .sep = "",
    use_glue = FALSE,
    reset_timer = FALSE
)

set_logger_path(root_path, max_bytes, max_files)

logger_threshold(
    level = c("info", "warning", "error", "fatal", "debug", "trace"),
    module_id,
    type = c("console", "file", "both")
)

logger_error_condition(cond, level = "error")
```

## Arguments

...	.envir, .sep	passed to <a href="#">glue</a> , if use_glue is true
level		the level of message, choices are 'info' (default), 'warning', 'error', 'fatal', 'debug', 'trace'
calc_delta		whether to calculate time difference between current message and previous message; default is 'auto', which prints time difference when level is 'debug'. This behavior can be changed by altering calc_delta by a logical TRUE to enable or FALSE to disable.
use_glue		whether to use <a href="#">glue</a> to combine ...; default is false
reset_timer		whether to reset timer used by calc_delta
root_path		root directory if you want log messages to be saved to hard disks; if root_path is NULL, "", or <a href="#">nullfile</a> , then logger path will be unset.
max_bytes		maximum file size for each logger partitions
max_files		maximum number of partition files to hold the log; old files will be deleted.

module_id	'RAVE' module identification string, or name-space; default is 'ravedash'
type	which type of logging should be set; default is 'console', if file log is enabled through set_logger_path, type could be 'file' or 'both'. Default log level is 'info' on console and 'debug' on file.
cond	condition to log

**Value**

The message without time-stamps

**Examples**

```
logger("This is a message")

a <- 1
logger("A message with glue: a={a}")

logger("A message without glue: a={a}", use_glue = FALSE)

logger("Message A", calc_delta = TRUE, reset_timer = TRUE)
logger("Seconds before logging another message", calc_delta = TRUE)

# by default, debug and trace messages won't be displayed
logger('debug message', level = 'debug')

# adjust logger level, make sure `module_id` is a valid RAVE module ID
logger_threshold('debug', module_id = NULL)

# Debug message will display
logger('debug message', level = 'debug')

# Trace message will not display as it's lower than debug level
logger('trace message', level = 'trace')
```

---

module\_server\_common *Default module server function*

---

**Description**

Common shiny server function to enable modules that requires data loader panel.

**Usage**

```
module_server_common(
  module_id,
  check_data_loaded,
```

```

    ...,
    session = shiny::getDefaultReactiveDomain(),
    parse_env = NULL
  )

```

### Arguments

module_id	'RAVE' module ID
check_data_loaded	a function that takes zero to one argument and must return either TRUE if data has been loaded or FALSE if loader needs to be open to load data.
...	ignored
session	shiny session
parse_env	environment used to parse module

### Value

A list of server utility functions; see 'Examples' below.

### Examples

```

# Debug in non-reactive session: create fake session
fake_session <- shiny::MockShinySession$new()

# register common-server function
module_server_common(module_id = "mock-session",
                     session = fake_session)
server_tools <- get_default_handlers(fake_session)

# Print each function to see the usage

server_tools$auto_recalculate

server_tools$run_analysis_onchange

server_tools$run_analysis_flag

server_tools$module_is_active

server_tools$simplify_view

# 'RAVE' module server function
server <- function(input, output, session, ...){

  pipeline_path <- "PATH to module pipeline"

  module_server_common(
    module_id = session$ns(NULL),
    check_data_loaded = function(first_time){

```

```

re <- tryCatch({
  # Try to read data from pipeline results
  repo <- raveio::pipeline_read(
    'repository',
    pipe_dir = pipeline_path
  )

  # Fire event to update footer message
  ravedash::fire_rave_event('loader_message',
    "Data loaded")

  # Return TRUE indicating data has been loaded
  TRUE
}, error = function(e){

  # Fire event to remove footer message
  ravedash::fire_rave_event('loader_message', NULL)

  # Return FALSE indicating no data has been found
  FALSE
})
}, session = session
)
}

```

---

new\_rave\_shiny\_component\_container

*Creates a container for preset components*

---

## Description

Creates a container for preset components

## Usage

```

new_rave_shiny_component_container(
  module_id,
  pipeline_name,
  pipeline_path = raveio::pipeline_find(pipeline_name),
  settings_file = "settings.yaml"
)

```

## Arguments

module_id	'RAVE' module ID
pipeline_name	the name of pipeline to run
pipeline_path	path of the pipeline



`settings_file` the settings file of the pipeline, usually stores the pipeline input information; default is "settings.yaml"

### Value

A 'RAVShinyComponentContainer' instance

### Examples

```
f <- tempfile()
dir.create(f, showWarnings = FALSE, recursive = TRUE)
file.create(file.path(f, "settings.yaml"))

container <- new_rave_shiny_component_container(
  module_id = "module_power_phase_coherence",
  pipeline_name = "power_phase_coherence_pipeline",
  pipeline_path = f
)

loader_project <- presets_loader_project()
loader_subject <- presets_loader_subject()

container$add_components(
  loader_project, loader_subject
)
```

---

random-text

*Randomly choose a text from a list of strings*

---

### Description

Randomly choose a text from a list of strings

### Usage

```
be_patient_text(candidates)
```

```
finished_text(candidates)
```

### Arguments

`candidates` character vectors, a list of candidates

**Value**

be\_patient\_text returns a text asking users to be patient; finished\_text returns the text indicating the task has finished.

**Examples**

```
be_patient_text()
```

```
finished_text()
```

---

rave-input-output-card

*Input and output card (front-end element)*

---

**Description**

Input and output card (front-end element)

**Usage**

```
input_card(  
    title,  
    ...,  
    class = "",  
    class_header = "shidashi-anchor",  
    class_body = "padding-10",  
    class_foot = "padding-10",  
    href = "auto",  
    tools = NULL,  
    footer = NULL,  
    append_tools = TRUE,  
    toggle_advanced = FALSE,  
    module_id = get0("module_id", ifnotfound = NULL, envir = parent.frame())  
)
```

```
output_card(  
    title,  
    ...,  
    class = "",  
    class_body = "padding-10",  
    class_foot = "padding-10",  
    href = "auto",  
    tools = NULL,  
    append_tools = TRUE,  
    module_id = get0("module_id", ifnotfound = NULL, envir = parent.frame())  
)
```

**Arguments**

<code>title</code>	title of the card
<code>...</code>	additional elements to be included in the card, see <a href="#">card</a>
<code>class</code>	the 'HTML' class for card
<code>class_header</code>	the 'HTML' class for card header; default is 'shidashi-anchor', which will generate shortcuts at the page footers
<code>class_body</code>	the 'HTML' class for card body; default is "padding-10", with '10px' at each direction
<code>class_foot</code>	the 'HTML' class for card footer; default is "padding-10", with '10px' at each direction
<code>href</code>	hyper reference link of the card
<code>tools</code>	a list of additional card tools, see <a href="#">card_tool</a>
<code>footer</code>	footer elements
<code>append_tools</code>	whether to append tools to the default list; default is true
<code>toggle_advanced</code>	whether to show links in the footer to toggle elements with 'HTML' class 'rave-optional'
<code>module_id</code>	the 'RAVE' module ID

**Value**

'HTML' tags

**See Also**

[card](#)

**Examples**

```
input_card(title = "Condition selector",
           "Please select experimental conditions:",
           shiny::selectInput(
             inputId = "condition", label = "Condition",
             choices = c("Audio", "Visual")
           ))
```

---

 rave-runtime-events    *'RAVE' run-time events*


---

## Description

A set of preset behaviors used by 'RAVE' modules

## Usage

```

register_rave_session(
  session = shiny::getDefaultReactiveDomain(),
  .rave_id = NULL
)

get_default_handlers(session = shiny::getDefaultReactiveDomain())

fire_rave_event(
  key,
  value,
  global = FALSE,
  force = FALSE,
  session = shiny::getDefaultReactiveDomain(),
  .internal_ok = FALSE
)

get_rave_event(key, session = shiny::getDefaultReactiveDomain())

open_loader(session = shiny::getDefaultReactiveDomain())

close_loader(session = shiny::getDefaultReactiveDomain())

watch_loader_opened(session = shiny::getDefaultReactiveDomain())

watch_data_loaded(session = shiny::getDefaultReactiveDomain())

current_shiny_theme(default, session = shiny::getDefaultReactiveDomain())

```

## Arguments

session	shiny session, usually automatically determined
.rave_id	internally used to store unique session identification
key	event key to fire or to monitor
value	event value
global	whether to notify other sessions (experimental and not recommended)
force	whether to force firing the event even the value hasn't changed
.internal_ok	internally used
default	default value if not found

## Details

The goal of these event functions is to simplify the dashboard logic without understanding the details or passing global variables around. Everything starts with `register_rave_session`. This function registers a unique identification to session, and adds bunch of registry to monitor the changes of themes, built-in, and custom events. If you have called `module_server_common`, then `register_rave_session` has already been called.

`register_rave_session` make initial registries, must be called, returns a list of registries  
`fire_rave_event` send signals to make changes to a event; returns nothing  
`get_rave_event` watch and get the event values; must run in shiny reactive context  
`open_loader` fire an event with a special key 'open\_loader' to open the data-loading panel; returns nothing  
`close_loader` reset an event with a special key 'open\_loader' to close the data-loading panel if possible; returns nothing  
`watch_loader_opened` watch in shiny reactive context whether the loader is opened; returns a logical value, but raise errors when reactive context is missing  
`watch_data_loaded` watch a special event with key 'data\_loaded'; returns a logical value of whether new data has been loaded, or raise errors when reactive context is missing  
`current_shiny_theme` watch and returns a list of theme parameters, for example, light or dark theme

## Value

See 'Details'

## Built-in Events

The following event keys are built-in. Please do not fire them using `fire_rave_event` or the 'RAVE' application might will crash

'simplify\_toggle' toggle visibility of 'HTML' elements with class 'rave-option'  
 'run\_analysis' notifies the module to run pipeline  
 'save\_pipeline', 'load\_pipeline' notifies the module to save or load pipeline  
 'data\_loaded' notifies the module that new data has been loaded  
 'open\_loader', 'toggle\_loader' notifies the internal server code to show or hide the data loading panel  
 'active\_module' internally used to store current active module information

## Examples

```
library(shiny)
library(ravedash)

ui <- fluidPage(
```

```
  actionButton("btn", "Fire event"),
  actionButton("btn2", "Toggle loader")
)

server <- function(input, output, session) {
  # Create event registries
  register_rave_session()

  shiny::bindEvent(
    shiny::observe({
      fire_rave_event("my_event_key", Sys.time())
    }),
    input$btn,
    ignoreInit = TRUE,
    ignoreNULL = TRUE
  )
  shiny::bindEvent(
    shiny::observe({
      cat("An event fired with value:", get_rave_event("my_event_key"), "\n")
    }),
    get_rave_event("my_event_key"),
    ignoreNULL = TRUE
  )
  shiny::bindEvent(
    shiny::observe({
      if(watch_loader_opened()){
        close_loader()
      } else {
        open_loader()
      }
    }),
    input$btn2,
    ignoreInit = TRUE,
    ignoreNULL = TRUE
  )
  shiny::bindEvent(
    shiny::observe({
      cat("Loader is", ifelse(watch_loader_opened(), "opened", "closed"), "\n")
    }),
    watch_loader_opened(),
    ignoreNULL = TRUE
  )
}

if(interactive()){
  shinyApp(ui, server)
}
```

---

rave-session	<i>Create, register, list, and remove 'RAVE' sessions</i>
--------------	---

---

**Description**

Create, register, list, and remove 'RAVE' sessions

**Usage**

```
new_session(update = FALSE)

use_session(x)

launch_session(
  x,
  host = "127.0.0.1",
  port = NULL,
  options = list(jupyter = TRUE, jupyter_port = NULL, as_job = TRUE, launch_browser =
    TRUE)
)

remove_session(x)

remove_all_sessions()

list_session(path = session_root())
```

**Arguments**

update	logical, whether to update to latest 'RAVE' template
x	session identification string, or session object; use <code>list_session</code> to list all existing sessions
host, port, options	configurations needed to launch the session
path	root path to store the sessions; default is the "tensor_temp_path" in <a href="#">raveio_getopt</a>

**Value**

`new_session` returns a session object with character 'session\_id' and a function 'launch\_session' to launch the application from this session

`use_session` returns a session object, the same as `new_session` under the condition that corresponding session exists, or raise an error if the session is missing

`list_session` returns a list of all existing session objects under the session root

`remove_session` returns a logical whether the corresponding session has been found and removed

## Examples

```
if(interactive()){  
  
  sess <- new_session()  
  sess$launch_session()  
  
  all_sessions <- list_session()  
  print(all_sessions)  
  
  # Use existing session  
  session_id <- all_sessions[[1]]$session_id  
  sess <- use_session(session_id)  
  sess$launch_session()  
  
  # Remove session  
  remove_session(session_id)  
  list_session()  
}
```

---

rave-ui-preset

*Preset reusable front-end components for 'RAVE' modules*

---

## Description

For examples and use cases, please check [new\\_rave\\_shiny\\_component\\_container](#).

## Usage

```
presets_analysis_electrode_selector2(  
  id = "electrode_text",  
  varname = "analysis_electrodes",  
  label = "Select Electrodes",  
  loader_project_id = "loader_project_name",  
  loader_subject_id = "loader_subject_code",  
  pipeline_repository = "repository"  
)  
  
presets_analysis_ranges(  
  id = "analysis_ranges",  
  varname = "analysis_ranges",  
  label = "Configure Analysis",  
  pipeline_repository = "repository",  
  max_components = 2  
)  
  
presets_baseline_choices(  
  id = "baseline_choices",  
  varname = "baseline_choices",  
  label = "Configure Baseline",  
  pipeline_repository = "repository",  
  max_components = 2  
)
```



```
    id = "baseline_choices",
    varname = "baseline",
    label = "Baseline Settings",
    pipeline_repository = "repository",
    baseline_choices = c("Decibel", "% Change Power", "% Change Amplitude",
        "z-score Power", "z-score Amplitude"),
    baseline_along_choices = c("Per frequency, trial, and electrode", "Across electrode",
        "Across trial", "Across trial and electrode")
)

presets_condition_groups(
    id = "condition_groups",
    varname = "condition_groups",
    label = "Create Condition Contrast",
    pipeline_repository = "repository"
)

presets_import_export_subject_pipeline(
    id = "im_ex_pipeline",
    loader_project_id = "loader_project_name",
    loader_subject_id = "loader_subject_code",
    pipeline_repository = "repository",
    settings_entries = c("loaded_electrodes", "epoch_choice",
        "epoch_choice__trial_starts", "epoch_choice__trial_ends", "reference_name"),
    fork_mode = c("exclude", "include")
)

presets_import_setup_blocks(
    id = "import_blocks",
    label = "Format & session blocks",
    import_setup_id = "import_setup",
    max_components = 5
)

presets_import_setup_channels(
    id = "import_channels",
    label = "Channel information",
    import_setup_id = "import_setup",
    import_blocks_id = "import_blocks"
)

presets_import_setup_native(
    id = "import_setup",
    label = "Select project & subject"
)

presets_loader_3dviewer(
    id = "loader_3d_viewer",
```

```
    height = "600px",
    loader_project_id = "loader_project_name",
    loader_subject_id = "loader_subject_code",
    loader_reference_id = "loader_reference_name",
    loader_electrodes_id = "loader_electrode_text"
)

presets_loader_electrodes(
  id = "loader_electrode_text",
  varname = "loaded_electrodes",
  label = "Electrodes",
  loader_project_id = "loader_project_name",
  loader_subject_id = "loader_subject_code"
)

presets_loader_epoch(
  id = "loader_epoch_name",
  varname = "epoch_choice",
  label = "Epoch and Trial Duration",
  loader_project_id = "loader_project_name",
  loader_subject_id = "loader_subject_code"
)

presets_loader_project(
  id = "loader_project_name",
  varname = "project_name",
  label = "Project"
)

presets_loader_reference(
  id = "loader_reference_name",
  varname = "reference_name",
  label = "Reference name",
  loader_project_id = "loader_project_name",
  loader_subject_id = "loader_subject_code",
  mode = c("default", "create")
)

presets_loader_subject(
  id = "loader_subject_code",
  varname = "subject_code",
  label = "Subject",
  loader_project_id = "loader_project_name",
  checks = c("notch", "wavelet")
)
```

**Arguments**

id	input or output ID of the element; this ID will be prepended with module namespace
varname	variable name(s) in the module's settings file
label	readable label(s) of the element
loader_project_id	the ID of presets_loader_project if different to the default
loader_subject_id	the ID of presets_loader_subject if different to the default
pipeline_repository	the pipeline name that represents the 'RAVE' repository from functions such as <a href="#">prepare_subject_bare</a> , <a href="#">prepare_subject_with_epoch</a> , and <a href="#">prepare_subject_power</a>
max_components	maximum number of components for compound inputs
baseline_choices	the possible approaches to calculate baseline
baseline_along_choices	the units of baseline
settings_entries	used when importing pipelines, pipeline variable names to be included or excluded, depending on fork_mode
fork_mode	'exclude' (default) or 'include'; in 'exclude' mode, settings_entries will be excluded from the pipeline settings; in 'include' mode, only settings_entries can be imported.
import_setup_id	the ID of presets_import_setup_native if different to the default
import_blocks_id	the ID of presets_import_setup_blocks if different to the default
height	height of the element
loader_reference_id	the ID of presets_loader_reference if different to the default
loader_electrodes_id	the ID of presets_loader_electrodes if different to the default
mode	whether to create new reference, or simply to choose from existing references
checks	whether to check if subject has been applied with 'Notch' filters or 'Wavelet'; default is both.

**Value**

A 'RAVESHinyComponent' instance.

**See Also**

[new\\_rave\\_shiny\\_component\\_container](#)

---

ravedash_footer	<i>A hovering footer at bottom-right</i>
-----------------	--

---

### Description

Internally used. Do not call explicitly

### Usage

```
ravedash_footer(  
  module_id = NULL,  
  label = "Run Analysis",  
  auto_recalculation = TRUE  
)
```

### Arguments

module_id	'RAVE' module ID
label	run-analysis button label; default is "Run Analysis"
auto_recalculation	whether to show the automatic calculation button; default is true

### Value

'HTML' tags

### Examples

```
library(shiny)  
# dummy variables for the example  
data_loaded <- TRUE  
  
# UI code  
ravedash_footer("my_module")  
  
# server code to set message  
server <- function(input, output, session){  
  
  module_server_common(input, output, session, function(){  
  
    # check if data has been loaded  
    if(data_loaded) {  
  
      # if yes, then set the footer message  
      fire_rave_event("loader_message",  
                    "my_project/subject - Epoch: Auditory")  
      return(TRUE)  
    }  
  }  
}
```

```
    } else {  
        # No data found, unset the footer message  
        fire_rave_event("loader_message", NULL)  
        return(FALSE)  
    }  
})  
}
```

---

run\_analysis\_button    *Button to trigger analysis*

---

### Description

A button that triggers 'run\_analysis' event; see also [get\\_rave\\_event](#)

### Usage

```
run_analysis_button(  
  label = "Run analysis (Ctrl+Enter)",  
  icon = NULL,  
  width = NULL,  
  type = "primary",  
  btn_type = "button",  
  class = "",  
  ...  
)
```

### Arguments

label	label to display
icon	icon before the label
width, btn_type, class, ...	passed to 'HTML' button tag
type	used to calculate class

### Value

A 'HTML' button tag

---

safe_observe	<i>Safe-wrapper of 'shiny' <a href="#">observe</a> function</i>
--------------	---

---

**Description**

Safely wrap expression `x` such that shiny application does not hang when the expression raises an error.

**Usage**

```
safe_observe(x, env = NULL, quoted = FALSE, priority = 0L, domain = NULL, ...)
```

**Arguments**

`x`, `env`, `quoted`, `priority`, `domain`, ...  
passed to [observe](#)

**Value**

'shiny' observer instance

**Examples**

```
values <- shiny::reactiveValues(A=1)

obsB <- safe_observe({
  print(values$A + 1)
})
```

---

shiny_icons	<i>Shiny icons</i>
-------------	--------------------

---

**Description**

Shiny icons

**Usage**

```
shiny_icons
```

**Format**

An object of class `ravedash_shiny_icons` of length 0.

**Details**

The goal of create this list is to keep 'shiny' icons (which are essentially 'font-awesome' icons) up-to-date.

---

simple_layout	<i>Simple input-output layout</i>
---------------	-----------------------------------

---

**Description**

Provides simple layout, with inputs on the left, and outputs on the right. Only useful in 'shidashi' framework.

**Usage**

```
simple_layout(
  input_ui,
  output_ui,
  input_width = 4L,
  container_fixed = FALSE,
  container_style = NULL,
  scroll = FALSE
)
```

**Arguments**

input_ui	the 'HTML' tags for the inputs
output_ui	the 'HTML' tags for the outputs
input_width	width of inputs, must be an integer from 1 to 11
container_fixed	whether the maximum width of the container should be fixed; default is no
container_style	additional 'CSS' style of the container
scroll	whether to stretch the container to full-heights and scroll the input and output separately.

**Value**

'HTML' tags

**Examples**

```
library(shiny)
library(ravedash)

simple_layout(
```

```
input_ui = list(  
  ravedash::input_card(  
    title = "Data Selection",  
    "Add inputs here"  
  )  
)  
output_ui = list(  
  ravedash::output_card(  
    title = "Result A",  
    "Add outputs here"  
  )  
)  
)
```



# Index

- \* **datasets**
  - shiny\_icons, 22
  
- be\_patient\_text (random-text), 9
  
- card, 11
- card\_href (card\_url), 2
- card\_tool, 11
- card\_url, 2
- close\_loader (rave-runtime-events), 12
- current\_shiny\_theme
  - (rave-runtime-events), 12
  
- debug\_modules, 3
  
- finished\_text (random-text), 9
- fire\_rave\_event (rave-runtime-events), 12
- flex\_container, 4
- flex\_group\_box (group\_box), 4
  
- get\_default\_handlers
  - (rave-runtime-events), 12
- get\_rave\_event, 21
- get\_rave\_event (rave-runtime-events), 12
- glue, 5
- group\_box, 4
  
- input\_card, 2
- input\_card (rave-input-output-card), 10
  
- launch\_session (rave-session), 15
- list\_session (rave-session), 15
- logger, 5
- logger\_error\_condition (logger), 5
- logger\_threshold (logger), 5
  
- module\_server\_common, 6, 13
  
- new\_rave\_shiny\_component\_container, 8, 16, 19
  
- new\_session (rave-session), 15
- nullfile, 5
  
- observe, 22
- open\_loader (rave-runtime-events), 12
- output\_card, 2
- output\_card (rave-input-output-card), 10
  
- prepare\_subject\_bare, 19
- prepare\_subject\_power, 19
- prepare\_subject\_with\_epoch, 19
- presets\_analysis\_electrode\_selector2
  - (rave-ui-preset), 16
- presets\_analysis\_ranges
  - (rave-ui-preset), 16
- presets\_baseline\_choices
  - (rave-ui-preset), 16
- presets\_condition\_groups
  - (rave-ui-preset), 16
- presets\_import\_export\_subject\_pipeline
  - (rave-ui-preset), 16
- presets\_import\_setup\_blocks
  - (rave-ui-preset), 16
- presets\_import\_setup\_channels
  - (rave-ui-preset), 16
- presets\_import\_setup\_native
  - (rave-ui-preset), 16
- presets\_loader\_3dviewer
  - (rave-ui-preset), 16
- presets\_loader\_electrodes
  - (rave-ui-preset), 16
- presets\_loader\_epoch (rave-ui-preset), 16
- presets\_loader\_project
  - (rave-ui-preset), 16
- presets\_loader\_reference
  - (rave-ui-preset), 16
- presets\_loader\_subject
  - (rave-ui-preset), 16
  
- random-text, 9

- rave-input-output-card, [10](#)
- rave-runtime-events, [12](#)
- rave-session, [15](#)
- rave-ui-preset, [16](#)
- ravedash\_footer, [20](#)
- raveio\_getopt, [15](#)
- register\_rave\_session
  - (rave-runtime-events), [12](#)
- remove\_all\_sessions (rave-session), [15](#)
- remove\_session (rave-session), [15](#)
- render, [3](#)
- run\_analysis\_button, [21](#)
  
- safe\_observe, [22](#)
- set\_card\_url\_scheme (card\_url), [2](#)
- set\_logger\_path (logger), [5](#)
- shiny\_icons, [22](#)
- simple\_layout, [23](#)
  
- use\_session (rave-session), [15](#)
- use\_template, [4](#)
  
- watch\_data\_loaded
  - (rave-runtime-events), [12](#)
- watch\_loader\_opened
  - (rave-runtime-events), [12](#)