

animated pdf example

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Keep an eye on YAML header and chunk options.

pacman example

```
for (i in 1:3) {  
  pie(c(i %% 3, 6), col = c('red', 'yellow'), labels = NA)  
}
```

tourr – only 2 frames

```
require(tourr)
if(interactive() == T)
  ?save_history

t1 <- save_history(flea[, 1:6], max = 4)

## Converting input data to the required matrix format.
## target_dist - cur_dist: 0
## generation: dist = 1.404
## target_dist - cur_dist: 1.404
## generation: dist = 1.466
## target_dist - cur_dist: 0
## generation: dist = 1.431
## target_dist - cur_dist: 0
## generation: dist = 1.287
## target_dist - cur_dist: 0
## generation: dist = 1.614

animate_xy(flea[, 1:6], planned_tour(t1))

## Converting input data to the required matrix format.
## target_dist - cur_dist: 0
```

```
## generation:  dist =  1.431
## Using half_range 0.98
## target_dist - cur_dist: 1.431
```

```
message("why only 2 frames!?")
```

```
## why only 2 frames!?
```

gganimate

```
require(gganimate)
message("doesn't seem apply `interval` and spacing from gganimate as well.")
```

```
## doesn't seem apply `interval` and spacing from gganimate as well.
```

```
ggplot(airquality, aes(Day, Temp, group = Month)) +
  geom_line() +
  transition_reveal(Month)
```

spinifex render_gganimate

```
require(spinifex)
message("only works with an implicit call, but not with animate(), difference with print.gganim() and knitr::kable_gganim()")

## only works with an implicit call, but not with animate(), difference with print.gganim() and knitr::kable_gganim()
##?play_tour_path
dat_std <- scale_sd(flea[, 1:6])
clas <- flea$species
bas <- basis_pca(dat_std)

## Not run:
## Tour history from tourr::save_history
g_path <- tourr::save_history(dat_std, tour_path = tourr::grand_tour(), max = 3)

## target_dist - cur_dist: 0
## generation: dist = 1.809
## target_dist - cur_dist: 1.809
## generation: dist = 1.427
## target_dist - cur_dist: 0
## generation: dist = 1.421
## target_dist - cur_dist: 0
## generation: dist = 1.548
```

```

## recreate play_tour_path(render_gganimate)
gg <- play_tour_path(tour_path = g_path, data = dat_std, render_type = render_)

## target_dist - cur_dist: 0
## generation: dist = 1.421
## target_dist - cur_dist: 1.421
## target_dist - cur_dist: 1.371
## target_dist - cur_dist: 1.321
## target_dist - cur_dist: 1.271
## target_dist - cur_dist: 1.221
## target_dist - cur_dist: 1.171
## target_dist - cur_dist: 1.121
## target_dist - cur_dist: 1.071
## target_dist - cur_dist: 1.021
## target_dist - cur_dist: 0.971
## target_dist - cur_dist: 0.921
## target_dist - cur_dist: 0.871
## target_dist - cur_dist: 0.821
## target_dist - cur_dist: 0.771
## target_dist - cur_dist: 0.721
## target_dist - cur_dist: 0.671
## target_dist - cur_dist: 0.621
## target_dist - cur_dist: 0.571
## target_dist - cur_dist: 0.521
## target_dist - cur_dist: 0.471
## target_dist - cur_dist: 0.421
## target_dist - cur_dist: 0.371
## target_dist - cur_dist: 0.321
## target_dist - cur_dist: 0.271
## target_dist - cur_dist: 0.221
## target_dist - cur_dist: 0.171
## target_dist - cur_dist: 0.121
## target_dist - cur_dist: 0.07098
## target_dist - cur_dist: 0.02098
## generation: dist = 1.548
## target_dist - cur_dist: 1.548
## target_dist - cur_dist: 1.498
## target_dist - cur_dist: 1.448
## target_dist - cur_dist: 1.398
## target_dist - cur_dist: 1.348
## target_dist - cur_dist: 1.298
## target_dist - cur_dist: 1.248
## target_dist - cur_dist: 1.198
## target_dist - cur_dist: 1.148
## target_dist - cur_dist: 1.098
## target_dist - cur_dist: 1.048
## target_dist - cur_dist: 0.998
## target_dist - cur_dist: 0.948
## target_dist - cur_dist: 0.898
## target_dist - cur_dist: 0.848
## target_dist - cur_dist: 0.798
## target_dist - cur_dist: 0.748
## target_dist - cur_dist: 0.698
## target_dist - cur_dist: 0.648

```

```

## target_dist - cur_dist: 0.598
## target_dist - cur_dist: 0.548
## target_dist - cur_dist: 0.498
## target_dist - cur_dist: 0.448
## target_dist - cur_dist: 0.398
## target_dist - cur_dist: 0.348
## target_dist - cur_dist: 0.298
## target_dist - cur_dist: 0.248
## target_dist - cur_dist: 0.198
## target_dist - cur_dist: 0.148
## target_dist - cur_dist: 0.09802
## target_dist - cur_dist: 0.04802

fps = 8L;rewind = FALSE;start_pause = 0.5;end_pause = 1L;
gif_filename = NULL;gif_path = NULL;gganimate_args = list();
gga <- gg + gganimate::transition_states(frame, transition_length = 0L)
class(gga)

## [1] "gganim" "gg"      "ggplot"
?gganimate:::print.gganim

## starting httpd help server ...

## done

# gganimate::animate(gga, fps = fps,
#                      rewind = rewind, start_pause = fps * start_pause,
#                      end_pause = fps * end_pause, #device = 'png'
#                      device = "pdf"
#)

# # gganimate::animate(anim)

```