

emoji

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<https://emilhvithfeldt.github.io/emoji/reference/index.html>

Overview

```
emoji::emojis %>%  
  select(emoji, name, group) %>%  
  sample_frac(0.10)
```

```
## # A tibble: 470 x 3  
##   emoji                                name                group  
##   <chr>                                <chr>                <chr>  
## 1 "\U0001f468\U0001f3fb<U+200D><U+2764><U+200D>\U0001f48b<U+200D>\U0001f468\U0001f3fd" kiss: man, m  
## 2 "\U0001f487<U+200D><U+2642>"                                man getting hai~ Peopl~  
## 3 "\U0001f46d\U0001f3fe"                                women holding h~ Peopl~  
## 4 "<U+262F><U+FE0F>"                                yin yang                Symbo~  
## 5 "\U0001f9d1\U0001f3ff<U+200D><U+2764><U+200D>\U0001f48b<U+200D>\U0001f9d1\U0001f3fe" kiss: person  
## 6 "\U0001f6b4\U0001f3fe<U+200D><U+2642><U+FE0F>"                                man biking: med~ Peop  
## 7 "\U0001f96b"                                canned food              Food ~  
## 8 "\U0001f9dc\U0001f3fd<U+200D><U+2640><U+FE0F>"                                mermaid: medium~ Peop  
## 9 "\U0001f471<U+200D><U+2642>"                                man: blond hair Peopl~  
## 10 "\U0001f311"                                new moon                 Trave~  
## # ... with 460 more rows
```

Arrows

```
get_arrow <- function(v_x = 0, v_y = 0){  
  this_arrow <- emoji::emoji("repeat")  
  if(v_x == 1){  
    if(v_y == -1){ this_arrow <- emoji::arrow("down-right") }  
    if(v_y == 0){ this_arrow <- emoji::arrow("right") }  
    if(v_y == 1){ this_arrow <- emoji::arrow("up-right") }  
  }  
  if(v_x == -1){  
    if(v_y == -1){ this_arrow <- emoji::arrow("down-left") }  
    if(v_y == 0){ this_arrow <- emoji::arrow("left") }  
    if(v_y == 1){ this_arrow <- emoji::arrow("up-left") }  
  }  
  if(v_x == 0){  
    if(v_y == -1){ this_arrow <- emoji::arrow("down") }  
    if(v_y == 0){ this_arrow <- emoji::emoji("repeat") }  
  }  
}
```

```

    if(v_y == 1){ this_arrow <- emoji::arrow("up") }
  }

  #return
  this_arrow
}

```

Random Walk

```

x <- 0
y <- 0

for(i in 1:timesteps){
  v_x <- sample(c(-1, 0, 1), 1)
  v_y <- sample(c(-1, 0, 1), 1)

  df <- data.frame(x, y, v_x, v_y)

  # print
  # df

  this_plot <- df %>%
    ggplot(aes(x = x, y = y)) +
    geom_point() +
    xlim(-1, 6) +
    ylim(-1, 6) +
    theme_minimal()

  ggsave(filename = paste0("images/", i, ".jpg"),
    plot = this_plot,
    device = "jpeg",
    width = 800, height = 600, units = "px")

  x <- (x + v_x) %% 5
  y <- (y + v_y) %% 5
}

```