

Procrastinating in R: emoji plots

Alejandra Avalos-Pacheco



January 19th, 2017

1 Getting Started

2 Base Plot

3 ggplot2






























































































































4 emoGG

Installation

Download it from CRAN:

```
> install.packages("emojifont")
> library(emojifont)
> list.emojifonts()
[1] "OpenSansEmoji.ttf"
> load.emojifont('OpenSansEmoji.ttf')
```

Emoji Unicode

Native ^[1]	Apple ^[2]	Android ^[3]	Android ^[3]	Symbola ^[4]	Twitter ^[5]	Phantom ^[6]	Unicode	Bytes (UTF-8)	Description
							U+1F601	\xF0\x9F\x98\x81	grinning face with smiling eyes
							U+1F602	\xF0\x9F\x98\x82	face with tears of joy
							U+1F603	\xF0\x9F\x98\x83	smiling face with open mouth
							U+1F604	\xF0\x9F\x98\x84	smiling face with open mouth and smiling eyes
							U+1F605	\xF0\x9F\x98\x85	smiling face with open mouth and cold sweat
							U+1F606	\xF0\x9F\x98\x86	smiling face with open mouth and tightly-closed eyes
							U+1F609	\xF0\x9F\x98\x89	winking face
							U+1F60A	\xF0\x9F\x98\x8A	smiling face with smiling eyes
							U+1F60B	\xF0\x9F\x98\x8B	face savouring delicious food
							U+1F60C	\xF0\x9F\x98\x8C	relieved face
							U+1F60D	\xF0\x9F\x98\x8D	smiling face with heart-shaped eyes
							U+1F60F	\xF0\x9F\x98\x8F	smirking face
							U+1F612	\xF0\x9F\x98\x92	unamused face
							U+1F613	\xF0\x9F\x98\x93	face with cold sweat
							U+1F614	\xF0\x9F\x98\x94	pensive face
						?	U+1F616	\xF0\x9F\x98\x96	confounded face
							U+1F618	\xF0\x9F\x98\x98	face throwing a kiss
							U+1F61A	\xF0\x9F\x98\x9A	kissing face with closed eyes

Emoji aliases

👤:bowtie:	😊:smile:	😄:simple_smile:	😂:laughing:	😊:blush:
😄:smiley:	😌:relaxed:	😏:smirk:	😍:heart_eyes:	💋:kissing_heart:
😴:kissing_closed_eyes:	😡:flushed:	😌:relieved:	😏:satisfied:	😄:grin:
😉:wink:	😜:stuck_out_tongue_winking_eye:	😴:stuck_out_tongue_closed_eyes:	😄:grinning:	😘:kissing:
😏:kissing_smiling_eyes:	😜:stuck_out_tongue:	😴:sleeping:	😟:worried:	😞:frowning:
😓:anguished:	👄:open_mouth:	😏:grimacing:	😞:confused:	😶:hushed:
😐:expressionless:	😏:unamused:	😓:sweat_smile:	💧:sweat:	😌:disappointed_relieved:
😓:weary:	😓:pensive:	😞:disappointed:	😞:confounded:	😱:fearful:
💧:cold_sweat:	😓:persevere:	😭:cry:	😭:sob:	😄:joy:
😲:astonished:	🗣️:scream:	👤:neckbeard:	😞:tired_face:	😡:angry:
😡:rage:	🏆:triumph:	😴:sleepy:	😋:yum:	😷:mask:
🕶️:sunglasses:	😵:dizzy_face:	👹:imp:	😄:smiling_imp:	😐:neutral_face:
😐:no_mouth:	😇:innocent:	👽:alien:	💛:yellow_heart:	💙:blue_heart:
💜:purple_heart:	❤️:heart:	💚:green_heart:	💔:broken_heart:	💓:heartbeat:
💓:heartpulse:	💕:two_hearts:	💖:revolving_hearts:	💍:cupid:	💫:sparkling_heart:
🔥:sparkles:	⭐:star:	🌟:star2:	🌀:dizzy:	💣:boom:
💥:collision:	😡:anger:	❗:exclamation:	? :question:	⚪:grey_exclamation:
? :grey_question:	🔊:zzzz:	⚡:dash:	💧:sweat_drops:	🎵:notes:
🎵:musical_note:	🔥:fire:	🔑:key:	💩:poop:	💩:shit:
👍:+1:	👍:thumbsup:	👎:-1:	👎:thumbsdown:	👋:ok_hand:
👊:punch:	👊:facepunch:	✊:fist:	✊:v:	🌊:wave:
👋:hand:	👋:raised_hand:	👐:open_hands:	👆:point_up:	👇:point_down:

```
> search_emoji('dance')
[1] "dancer" "dancers"
> emoji(search_emoji('dance'))
[1] "\xf0\u009f\u0092\u0083" "\xf0\u009f\u0091"
```

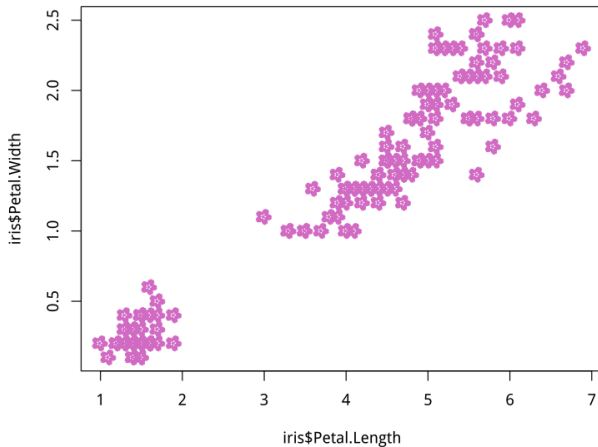
1 Getting Started

2 Base Plot

3 ggplot2

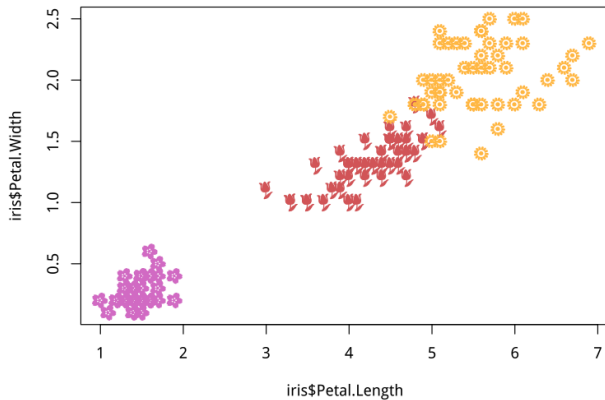
4 emoGG

```
> plot(iris$Petal.Length, iris$Petal.Width, cex=0)
> text(iris$Petal.Length, iris$Petal.Width,
+      labels=emoji('cherry_blossom'),
+      cex=1,
+      col="orchid3",
+      family='OpenSansEmoji')
```



Base Plot

```
> text(iris$Petal.Length, iris$Petal.Width,  
+      labels=c(emoji('cherry_blossom'),  
+              emoji('tulip'),  
+              emoji('sunflower'))[unclass(iris$Species)],  
+      cex=1,  
+      col=c("orchid3",  
+          "indianred3",  
+          "darkgoldenrod1")[unclass(iris$Species)],  
+      family='OpenSansEmoji')
```



① Getting Started

② Base Plot

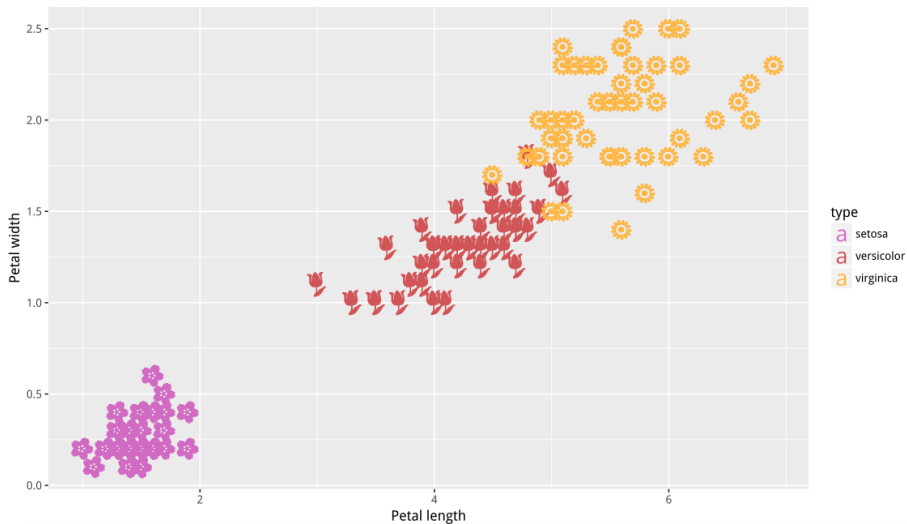
③ ggplot2

④ emoGG

ggplot2

ggplot2

```
> d <- data.frame(x=iris$Petal.Length, y=iris$Petal.Width,
+                 label = c(emoji('cherry_blossom'),
+                           emoji('tulip'),
+                           emoji('sunflower')))
+                 [unclass(iris$Species)],
+                 type = iris$Species)
> ggplot(d, aes(x, y, color=type, label=label)) +
+   geom_text(family="OpenSansEmoji", size=6) +
+   scale_color_manual(values=c("orchid3",
+                               "indianred3",
+                               "darkgoldenrod1")) +
+   xlab("Petal length" )+
+   ylab("Petal width")
```



- 1 Getting Started
- 2 Base Plot
- 3 ggplot2
- 4 emoGG**

Installation

```
> devtools::install_github("dill/emoGG", TRUE)
> library(ggplot2)
> library(emoGG)
> emoji_search("cherry_blossom")
```

	emoji	code	keyword
631	cherry_blossom	1f338	nature
632	cherry_blossom	1f338	plant
633	cherry_blossom	1f338	spring
634	cherry_blossom	1f338	flower

```
> ggplot(iris, aes(Petal.Length, Petal.Width, color = Species)) +
+   geom_emoji(emoji="1f338")
```

