useR! 2018 Trivia Contest
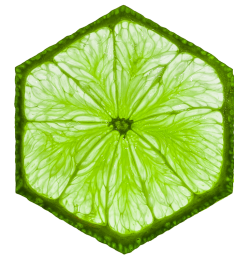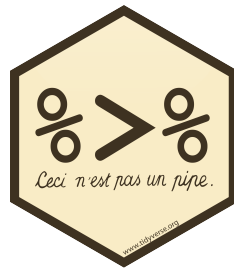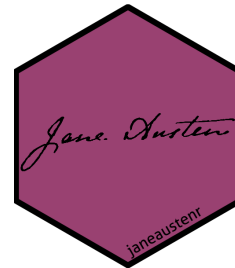
Team members: _____

Team name: _____

1. *(1pt)* What is the birth city of R? __

   A. Auckland   B. Vienna   C. San Francisco   D. Boston   E. Tokyo   F. Brisbane

2. *(3pts)* Match package maintainer to these hex stickers?

_____   _____   _____

_____   _____   _____

_____   _____   _____

_____   _____   _____

Maintainer list: Stefan Milton Bache, Jenny Bryan, Jonathan Carroll, Matteo Fasolo, Saskia Freytag, Jim Hester, Heike Hofmann, Rob Hyndman, Stephanie Kovalchik, Max Kuhn, Thomas Lin Pedersen, Anna Quaglieri, David Robinson, Julia Silge, Adam Sparks, Shian Su, Heather Turner, Earo Wang, Hadley Wickham, Kevin Wright, Yihui Xie, Luke Zappia.

3. *(1pt)* What year was the S language introduced? _____

4. *(2pts)* How many women were in the original team of five that introduced the S language?

   _____

5. *(2pts)* Why was <- and hence also, -> chosen as the assignment operator in favour of = in the original R language?

   _____

6. *(1pt)* What other character was used as an assignment operator historically in the S language, that has since been abandoned? (Hint: It was a convenient character to type on a TTY37 keyboard.)

   _____

7. *(3pts)* What do each of the following expressions return: `NA + 0`, `NA * 0`, `NA ^ 0`?

   _____ _____ _____

8. *(1pt)* What type of object does this code return? _____

   ```
   df <- data.frame(xyz = "a")
   df$x
   ```

9. *(2pts)* What is `sum(1, 2, 3)`? _____

   What is `mean(1, 2, 3)`? _____

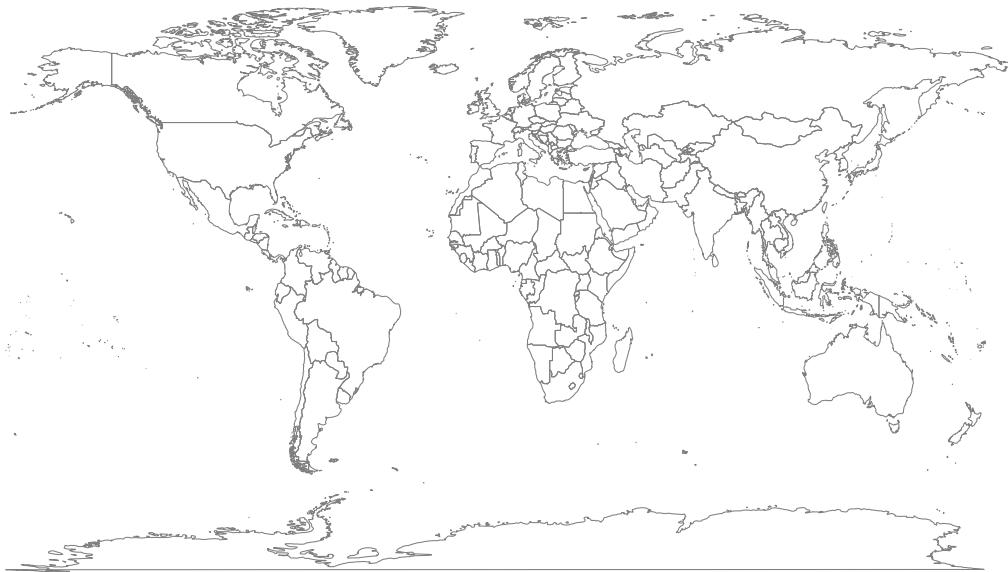10. *(2pts)* What do the "ct" and "lt" stand for at the end of the POSIXt time-date classes, POSIXct, POSIXlt?

    _____ _____

11. *(3pts)* Name 3 members of **R core**.

    _____ _____ _____

12. *(3pts)* How many packages have ever been published on CRAN as of July 10, 2018? (Using the code by daroczig/get-data.R) _____

13. *(2pts)* Among names of packages, that have ever been published, on CRAN as of July 10, 2018, what is the most-popular (and least-popular) first letter in the package name (excluding the letter R)?

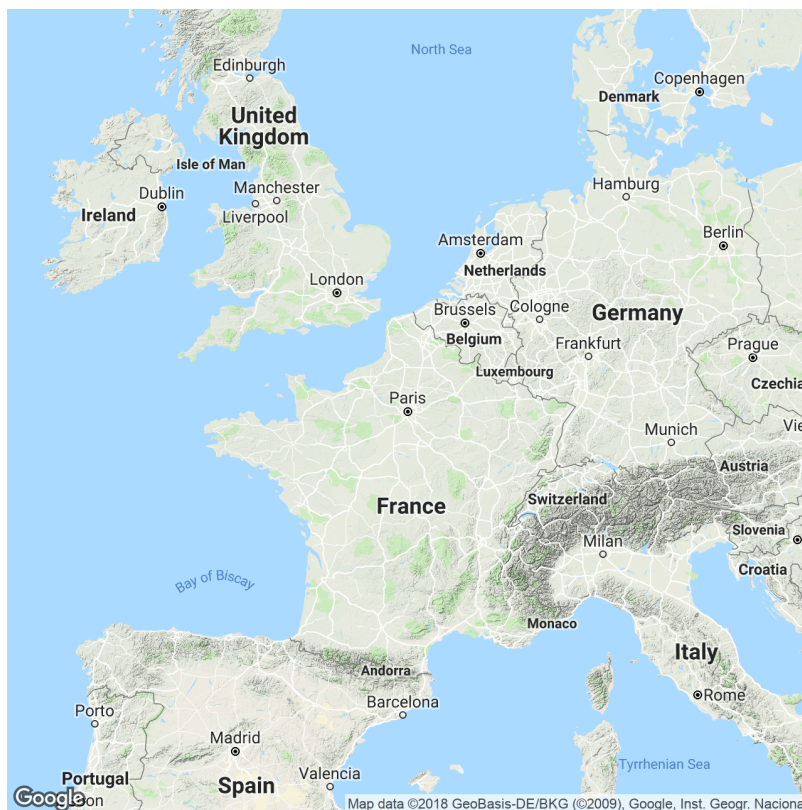   _____ _____

14. *(5pts)* Name 5 of the 20 most downloaded packages from RStudio CRAN mirror, according to `cranlogs`, as of July 10, 2018.

    _____ _____ _____ _____ _____

15. *(2pts)* How many R Ladies groups exist as of July 10, 2018? _____

16. *(2pts)* Colour in the countries that you think are represented by participants in this conference.

17. *(2pts)* Mark the location on the map where the useR! 2019 will be held?

18. *(2pts)* What is Jenny Bryan's threatened action if she sees this command in your code?

```
rm(list = ls())
```

_____

19. *(5pts)* There are 18 sponsors of useR! 2018. Name five of the sponsors.

_____ _____ _____ _____ _____

20. *(2pts)* The names of R releases are purported, with strong evidence, to come from what cartoon?

   _____

21. *(6pts)* In the word search below circle all the geoms available in the current version of ggplot2. (Hint: there are 32 here.)

```
p  o  i  n  t  s  e  p  q  p  l  a  g  r  i  e  n  i  l  v
o  b  b  o  s  m  a  x  t  p  y  e  h  l  n  j  f  x  i  i
l  t  e  b  a  m  s  l  w  c  q  q  n  k  h  k  p  n  s  o
y  s  o  b  x  x  o  s  j  e  o  j  e  s  x  l  e  b  a  l
g  l  o  i  a  c  w  o  l  k  r  c  h  j  f  u  h  q  i  i
o  p  j  r  u  g  i  n  t  g  p  l  p  i  r  n  j  d  e  n
n  t  k  g  e  h  f  v  i  h  i  s  t  o  g  r  a  m  v  f
w  e  h  o  f  c  i  r  j  e  a  e  p  y  a  m  p  t  r  k
d  o  t  p  l  o  t  d  n  x  q  g  l  z  a  k  k  e  a  x
f  t  w  w  h  w  p  p  p  r  n  m  r  d  n  i  q  e  b  f
r  h  f  n  d  q  n  w  x  y  c  e  w  e  r  p  d  t  a  s
s  p  o  k  e  h  w  q  r  x  z  n  j  g  o  w  x  k  l  r
f  g  j  o  n  a  h  q  u  a  n  t  i  l  e  i  n  f  l  e
r  r  u  c  s  d  j  o  i  d  i  t  y  k  t  d  e  c  t  p
u  e  v  u  i  v  b  j  i  t  t  e  r  l  j  r  g  y  t  b
o  i  l  a  t  a  f  u  s  o  f  q  e  v  e  y  y  i  b  s
t  e  x  t  y  s  b  o  x  p  l  o  t  a  y  q  l  t  c  u
n  d  b  c  h  m  m  o  a  z  b  k  s  f  f  e  v  i  u  d
o  z  w  r  r  h  a  t  o  k  x  f  a  q  y  t  e  a  n  z
c  u  r  v  e  i  h  s  c  m  g  c  r  a  b  r  o  r  r  e
```

TOTAL: /52

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