

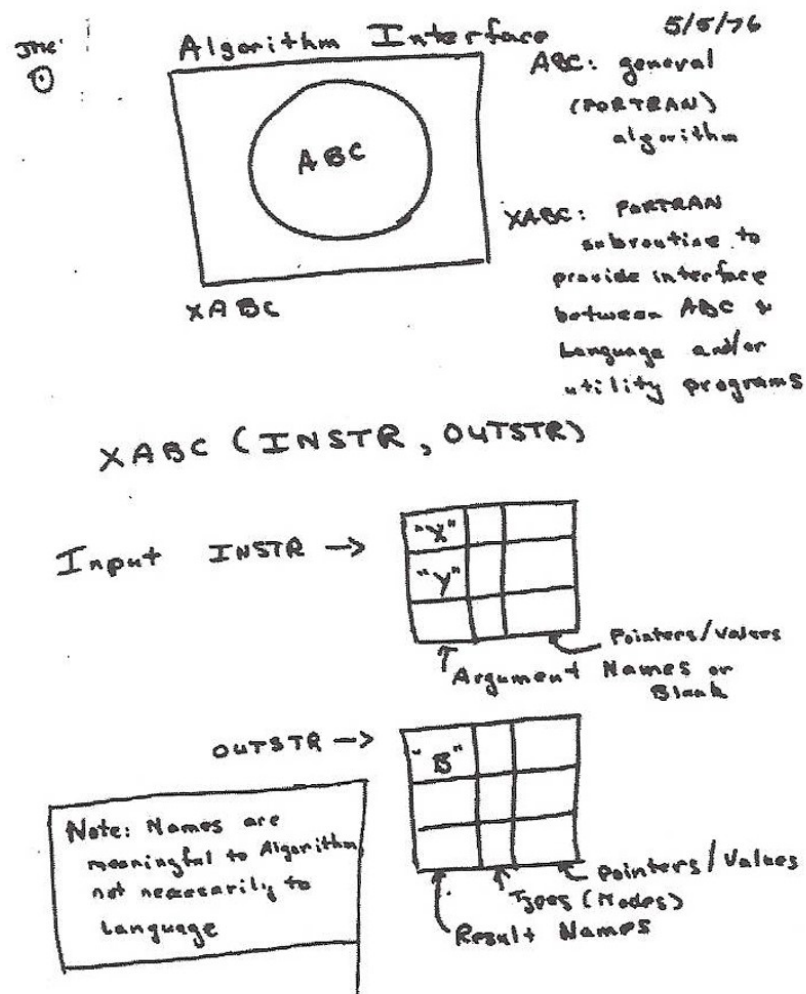
## Fun activity for Thursday!

People in the US celebrate the birthday of when John Chambers began the language S, which has had popular implementations including R. According to Chambers, their aims included:

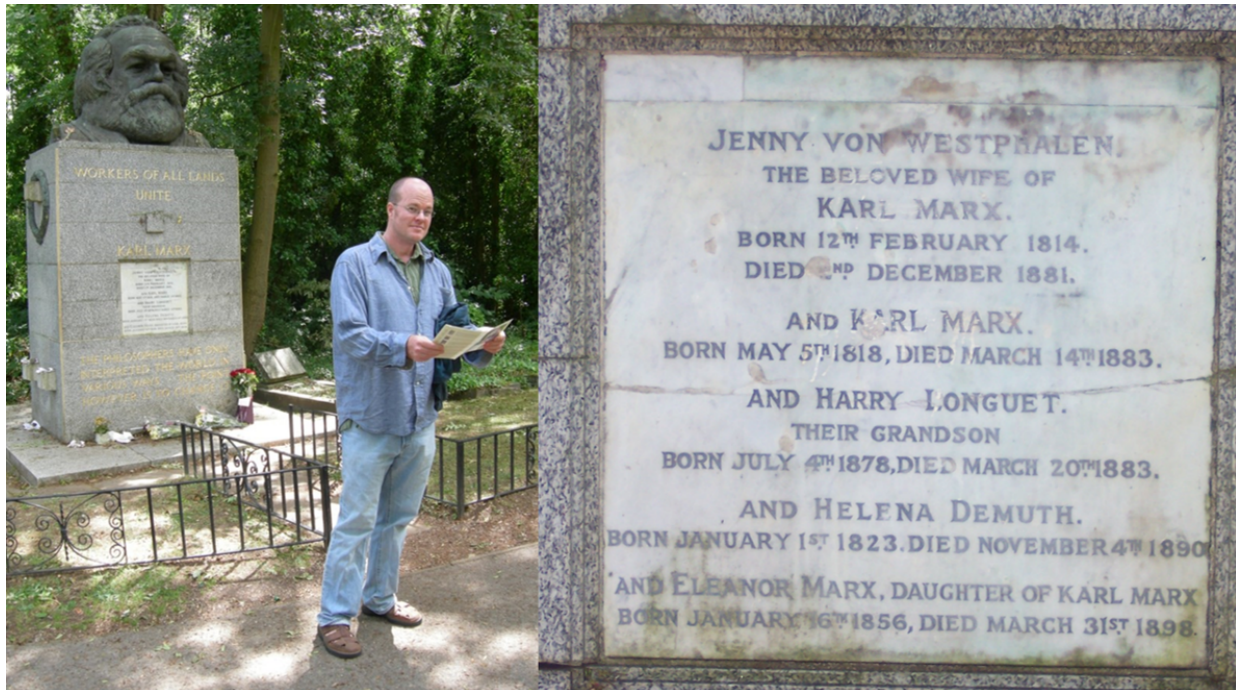
our Mission, as users and creators of software for data analysis, is to enable the best and most thorough exploration of data possible. (p. 1)  
to find new paths to understand the data and the underlying processes. The mission is, indeed, to boldly go where no one has gone before. (p. 3)  
The prime directive ... is not to distort the message of the data, and to provide computations whose content can be trusted and understood. (p. 4)

Chambers (2008)

Here is a diagram from Chambers' book (p. 476) describing the first designs for the language. See the birth date in the upper-right corner. The number #1 US song was *Welcome Back*, the theme to *Welcome Back, Kotter*. You should use this information wisely, but cautiously.



Ever have that idea that a spectre is watching over you?



The question is: what is the overlap between people who believe, for example, “Free education for all children in public schools. Abolition of children’s factory labour in its present form,” and those who wish to do “the best and most thorough exploration of data possible?” And what are the characteristics of these people. That S and Marx share a birthday it allows us to observe these people, out and about, on this date. According to Einstein (2025), “communists who seek a peaceful collision of computing and data analysis like tequila” thus allowing a testable hypothesis of whether more tequila is drunk on this date in Las Vegas than other days. Given that the *Communist Manifesto* was written in a pub, this would provide scientific proof of Einstein’s work.

Who drinks tequila on May 5th?

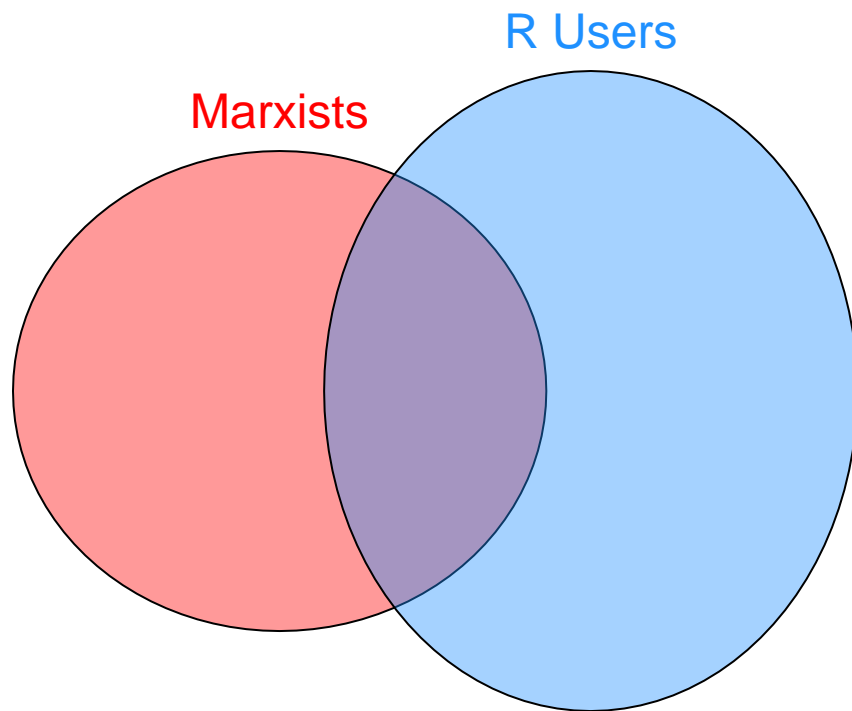


Figure 1: Venn diagram of Marxists and R users.

```
#install if necessary
#install.packages("DescTools")
library(DescTools)
par(mar=c(0,0,0,0))
plot.new()
DrawEllipse(.35,.4,radius.x=.3,radius.y=.3,col=SetAlpha("red",.4))
DrawEllipse(.7,.4,radius.x=.3,radius.y=.4,
           col=SetAlpha("Dodgerblue",.4))
text(.35,.75,"Marxists",col="red",cex=1.5)
text(.7,.85,"R Users",col="Dodgerblue",cex=1.5)
text(.5,.95,"Who drinks tequila on May 5th?",cex=1.5,col="purple")
```

## References

Chambers, J. M. (2008). *Software for data analysis: Analysis with R*. New York, NY: Springer.