

The rest of this post lists some R-related talks that can help you fill your days at JSM! I am sure my list is not complete. Please feel free to add anything I may have missed to the comments section following this post.

**Supplementary Code**

In case you are wondering how I produced the plot above, here is the code which uses the cranly and dlstats packages to investigate CRAN.

library(tidyverse)

library(cranly)

library(dlstats)

# Get clean copy of CRAN

p\_db <- tools::CRAN\_package\_db()

package\_db <- clean\_CRAN\_db(p\_db)

# Build package network

package\_network <- build\_network(package\_db)

# Find Hastie packages

pkgs <- package\_by(package\_network, "Trevor Hastie")

# Find most downloaded Hastie packages

dstats <- cran\_stats(pkgs)

topdown <- group\_by(dstats,package) %>%

summarize(n=sum(downloads)) %>%

arrange(desc(n)) %>% filter(n > 100000)

# Plot the monthly downloads for Hastie's top 5 packages

shortlist <- select(topdown,package) %>% slice(1:5)

toppkgs <- cran\_stats(as.vector(shortlist$package))

ggplot(toppkgs, aes(end, downloads, group=package, color=package)) +

geom\_line() + geom\_point(aes(shape=package)) + xlab("Monthly Downloads") + ggtitle("Trevor Hastie Packages")