ADMB and TMB downloads, then and now
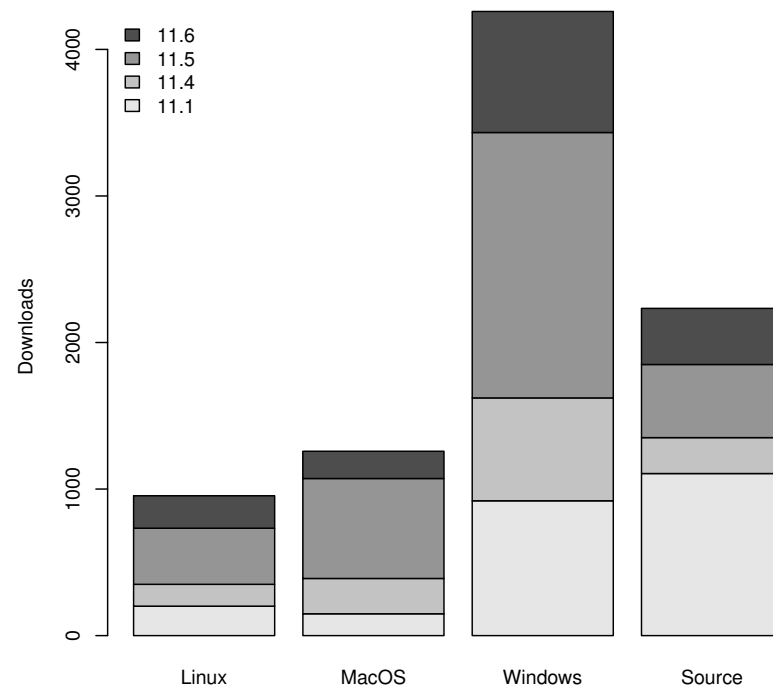
Arni Magnusson
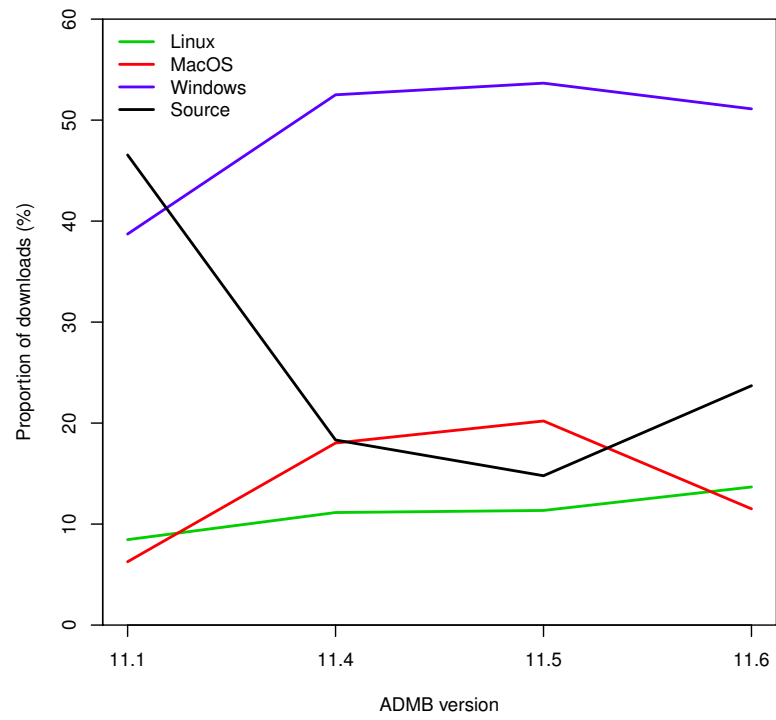
18 August 2017

1   ADMB
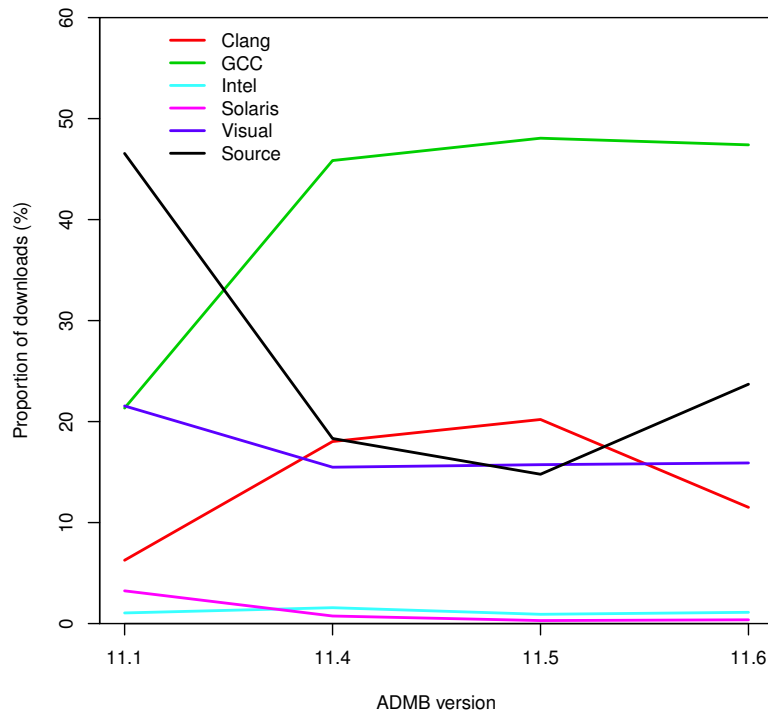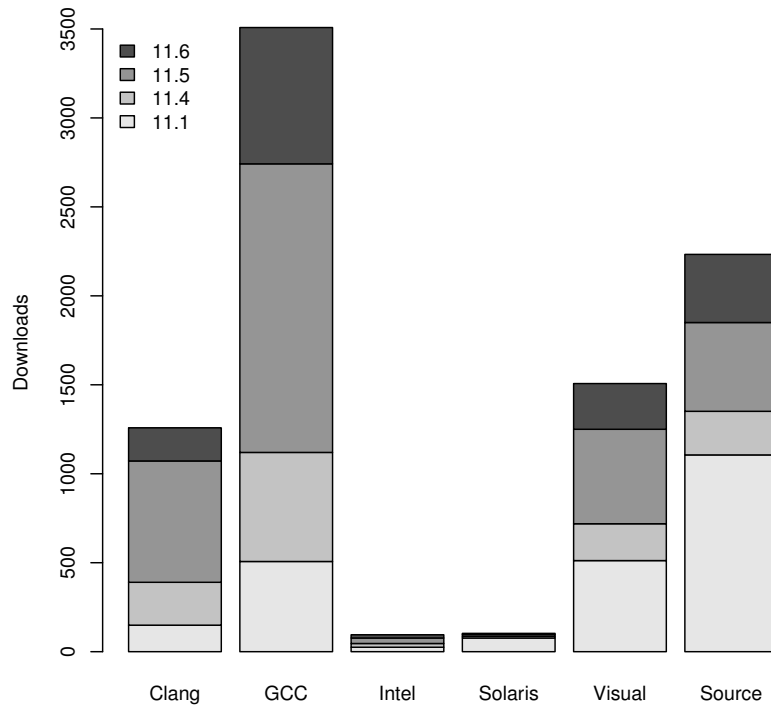
By OS

	11.1	11.4	11.5	11.6
Linux	201	149	383	221
MacOS	149	241	682	186
Windows	920	702	1811	826
Source	1106	245	499	383
Total	2376	1337	3375	1616

By compiler

	11.1	11.4	11.5	11.6
Clang	149	241	682	186
GCC	507	613	1622	766
Intel	25	21	31	18
Solaris	77	10	10	6
Visual	512	207	531	257
Source	1106	245	499	383
Total	2376	1337	3375	1616

By month

	11.1	11.4	11.5	11.6
Released	2012-07-06	2015-05-30	2015-12-12	2017-05-25
Measured	2014-07-18	2015-12-12	2017-08-14	2017-08-17
Days	742	196	611	84
Downloads	2376	1337	3375	1616
PerMonth	96	205	166	577

2 TMB

CRAN Logs

CRAN Logs is a web service that can generate a badge showing the latest monthly download counter for a given package:

https://cranlogs.r-pkg.org/badges/TMB

One can also query a specific period, e.g., 1 January 2017 to 31 January 2017:

http://cranlogs.r-pkg.org/downloads/total/2017-01-01:2017-01-31/TMB

R code

The following function returns the number of package downloads in a given month.

```
downloads <- function(pkg, month)
{
  beg <- as.Date(paste0(month, "-01"))
  end <- seq(beg, by="month", length=2)[2] - 1
  query <- paste0("http://cranlogs.r-pkg.org/downloads/total/",
                  beg, ":", end, "/", pkg)
  string <- scan(query, what="", quiet=TRUE)
  count <- as.integer(gsub(".*downloads\":([0-9]*).*", "\\1", string))
  count
}
```
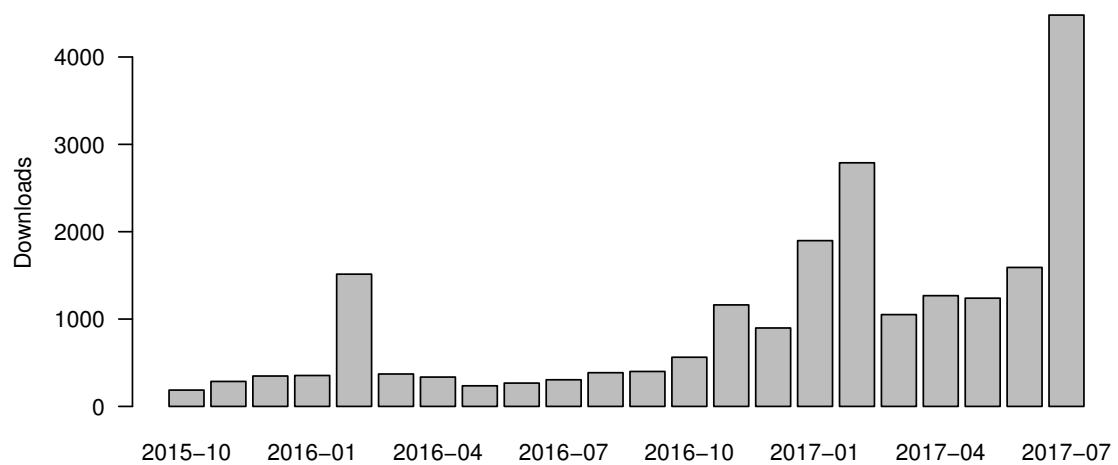
Tabulate downloads from every month since TMB was released to CRAN:

```
tmb <- data.frame(Month=substring(seq(as.Date("2015-10-01"),
                                       as.Date("2017-07-01"), by="month"), 1, 7))
tmb$Count <- sapply(tmb$Month, downloads, pkg="TMB")
```

Monthly TMB downloads

Monthly download count for the TMB package.

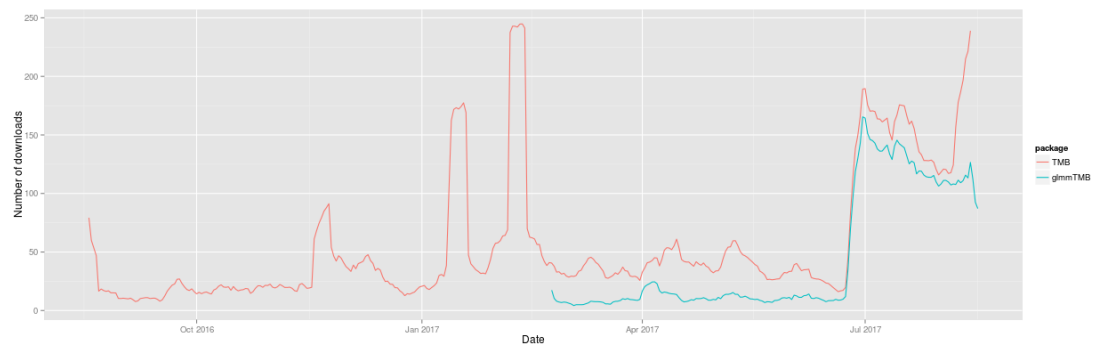| Year	Month	Count
2015	Oct	187
	Nov	286
	Dec	348
2016	Jan	354
	Feb	1514
	Mar	371
	Apr	336
	May	236
	Jun	267
	Jul	305
	Aug	386
	Sep	400
	Oct	563
	Nov	1162
	Dec	898
2017	Jan	1898
	Feb	2789
	Mar	1051
	Apr	1268
	May	1239
	Jun	1591
	Jul	4480

Comments

The average downloads per month were 270 in 2015, increased to 570 in 2016, and reached more than 2000 downloads per month on average for the first seven months of 2017.

3   glmmTMB

The recent increase in TMB downloads is closely related to the increased downloads of the
glmmTMB package. When users install glmmTMB, they automatically install TMB as well.

4   Discussion