

Resident Advisor

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What is Resident Advisor?

The screenshot shows the Resident Advisor website interface. At the top, there's a dark header with the 'HOSTELWORLD' logo. Below it, a navigation bar shows the days of the week with dates: Fri 15, Sat 16, Sun 17, Mon 18, Tue 19. The 'Events' tab is selected. The main content area is titled 'This week's events in London' and 'RA users' favourites'. Under 'London on Friday', there are several event cards. Each card includes a thumbnail image, a yellow circle with a number indicating the number of users attending, and the event details. The events listed are:

- 525 attending: Ben UFO + Hunee + Shackleton (Live) XOYO
- 301 attending: Oval Space x The Quietus with Andy Stott, Lee Gamble, Demdike Stare, Ikonika Oval Space
- 233 attending: DJ Maseo (De La Soul) The Jazz Cafe
- 224 attending: Forms: Amine Edge & Dance, Mat Joe, Weiss & Billy Kenny fabric
- 169 attending: Summer of Love - Brixton Rooftop Festival 2018 The Prince of Wales
- 162 attending: The Pickle Factory with Eris Drew, Jane Fitz The Pickle Factory
- 154 attending: Fridays at EGG: Santé, East End Dubs, Brett Gould and More Egg London
- 130 attending: Jeremy Underground & Dirty Hans Phonox

A link for '61 more events' is visible at the end of the list. At the bottom of the page, there's a grey bar with the text 'Your guide to what's happening'.

- Checking events
 - Booking tickets
 - Lineup
 - Location
- Clubbing magazine
- News about club places and artists
- Music chart

[Magazine](#)[News](#)[Reviews](#)[Features](#)[Videos](#)[Listings](#)[Events](#)[Clubs](#)[Festivals](#)[Photos](#)[Music](#)[Artists](#)[New Tracks](#)[DJ Charts](#)[Podcasts](#)[Search](#)

Events

[All](#)[New](#)[For You](#)[Promoters](#)[Submit an event](#)[← Previous](#)[Next →](#)[UK](#)[London](#)[By month](#)

Sun, 01 Jan 2017 /

[LWE NYD 2017](#)[at Tobacco Dock](#)[Mosaic by Maceo Plex London](#)[at Bankside Vaults](#)[Magna Carta NYD Special](#)[at Fire & Lightbox](#)[Oval Space Music x Rekids present NYD with Robert Hood, Ryan Elliott, Radio Slave](#)[at Oval Space](#)[Art Of Dark - New Years Day \(Part 1/Day\) - Tickets Available on the Door From 10:00](#)[at Oval Space](#)

Calendar

[January](#)[2017](#)[By month](#)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

Top London clubs

[fabric /](#)[Egg London /](#)[Corsica Studios /](#)[Studio 338 /](#)[XOYO /](#)[Ministry Of Sound /](#)[Village Underground /](#)[Printworks /](#)[Tobacco Dock /](#)

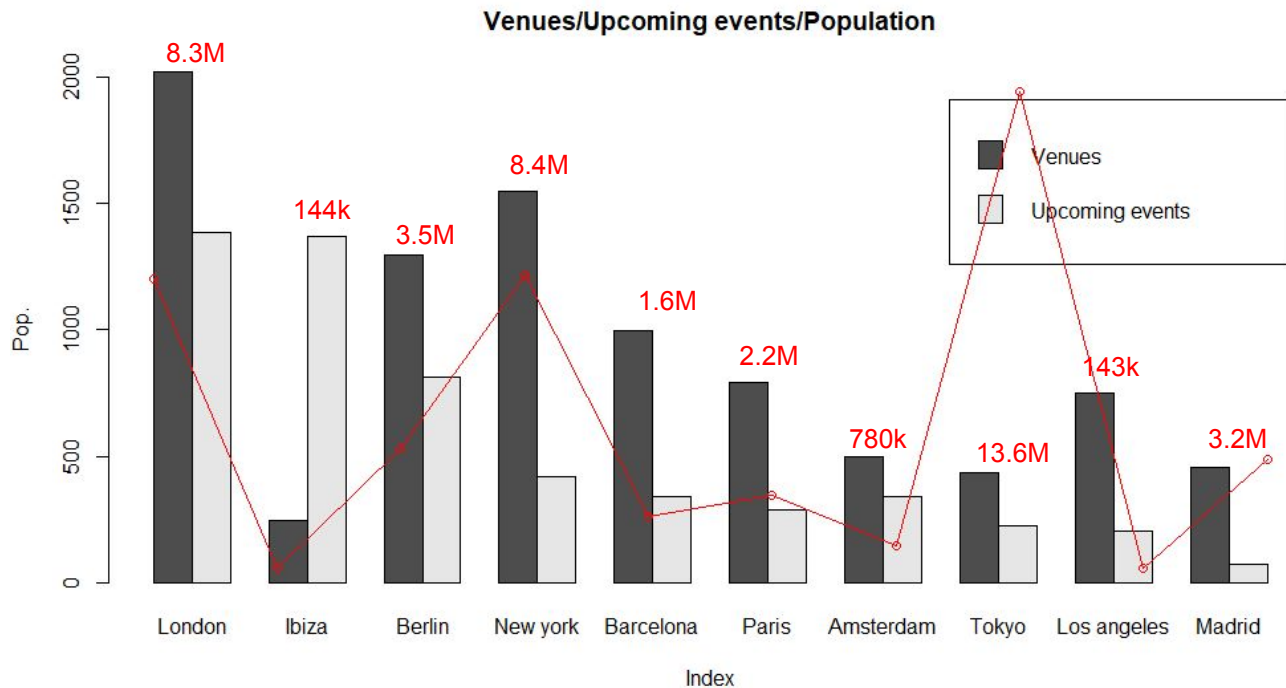
Why we chose this website

- Clubbing is Tuukka's hobby
- Personal experience
- One of the most biggest and international clubbing websites
- Structure is simple enough to crawl

Plan

- Find the most popular location for clubbing
- Analyze that location in detail
- Tasks:
 - 1. Compare most popular 10 cities
 - 2. Compare the monthly amount of events to monthly amount of attendants in London
 - 3. Most popular weekday for clubbing by amount of events in London
 - 4. Find the most popular artists in London
 - 5. Find the most international artists in London

1. Compare most popular 10 cities



Venues - clubbing place

Upcoming events - events registered on the site

Population - city population

1. Compare most popular 10 cities



- Ibiza Island in Spain

Few population, many events



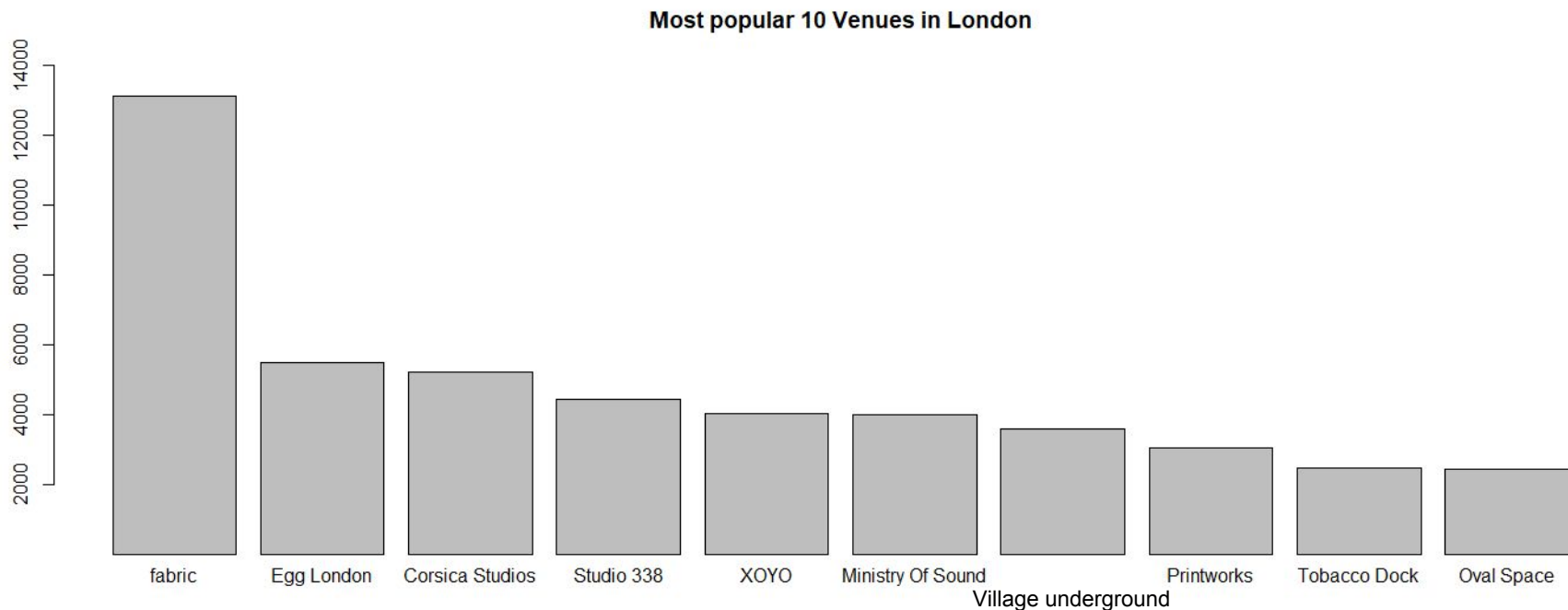
- Tokyo in Japan

Many Population, few events

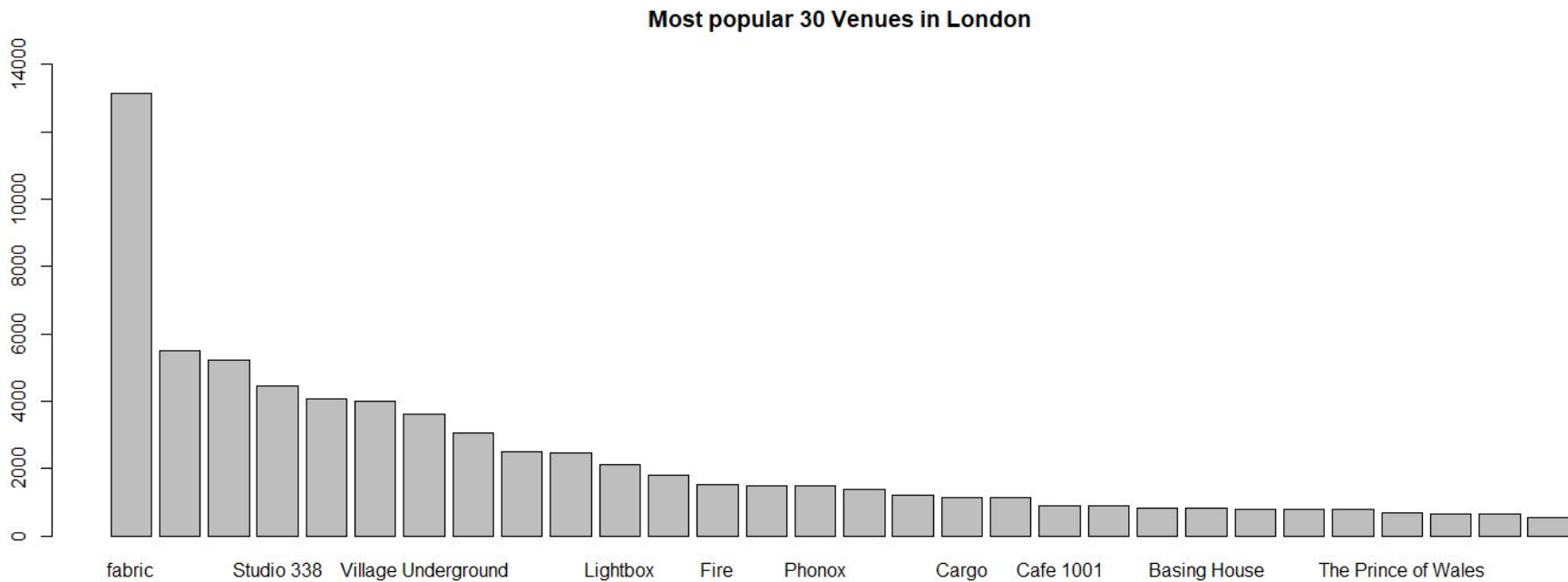
Why we focus on London city

- London is the most popular city in this site.
- London has a lot of club information.
 - We can get a lot of information about venues, events, artists

Popular venues in London - barplot

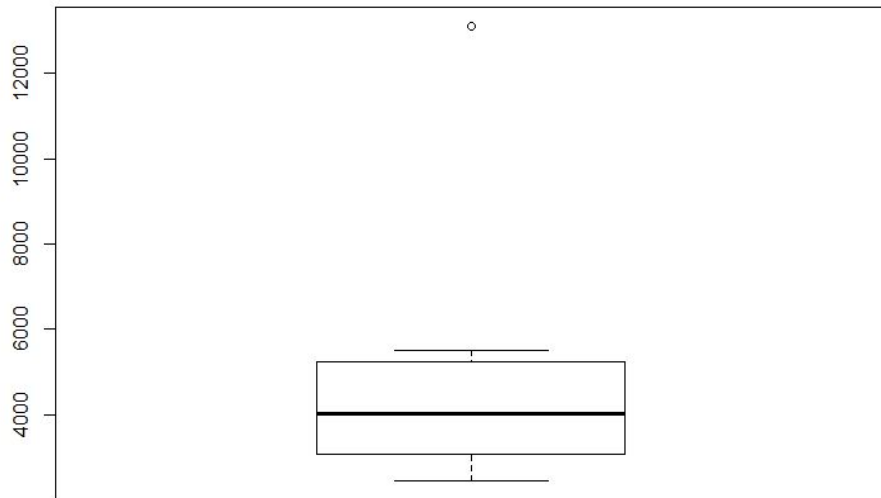


Popular venues in London - barplot



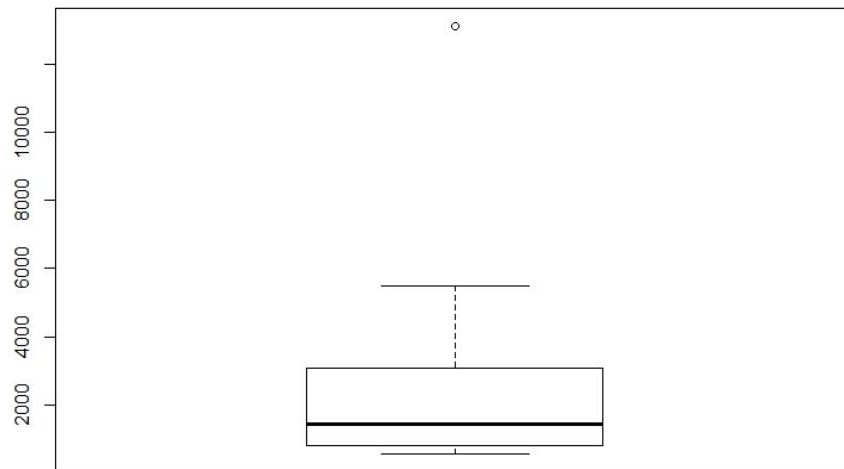
Popular venues in London - boxplot

Most popular 10 Venues in London



Fivenum : 2445 / 3064 / 4030.5 / 5230 / 13123

Most popular 30 Venues in London

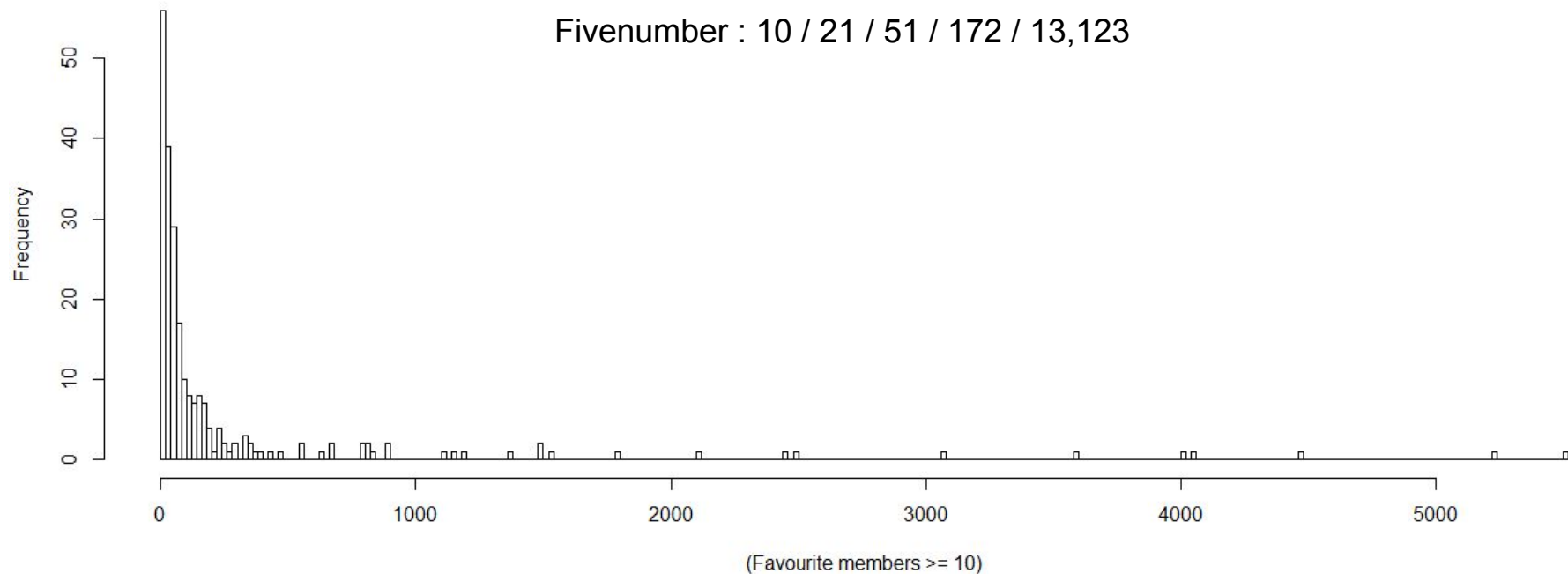


Fivenum : 555 / 813 / 1427.5 / 3064 / 13123

Popular venues in London - histogram

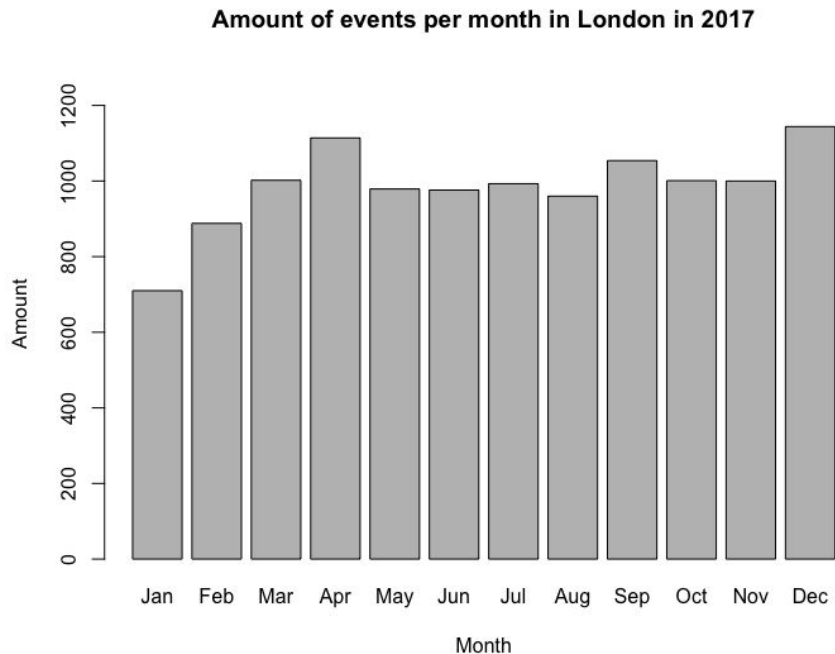
histogram of London Venues

Fivenumber : 10 / 21 / 51 / 172 / 13,123



2. Amount of events per month in London

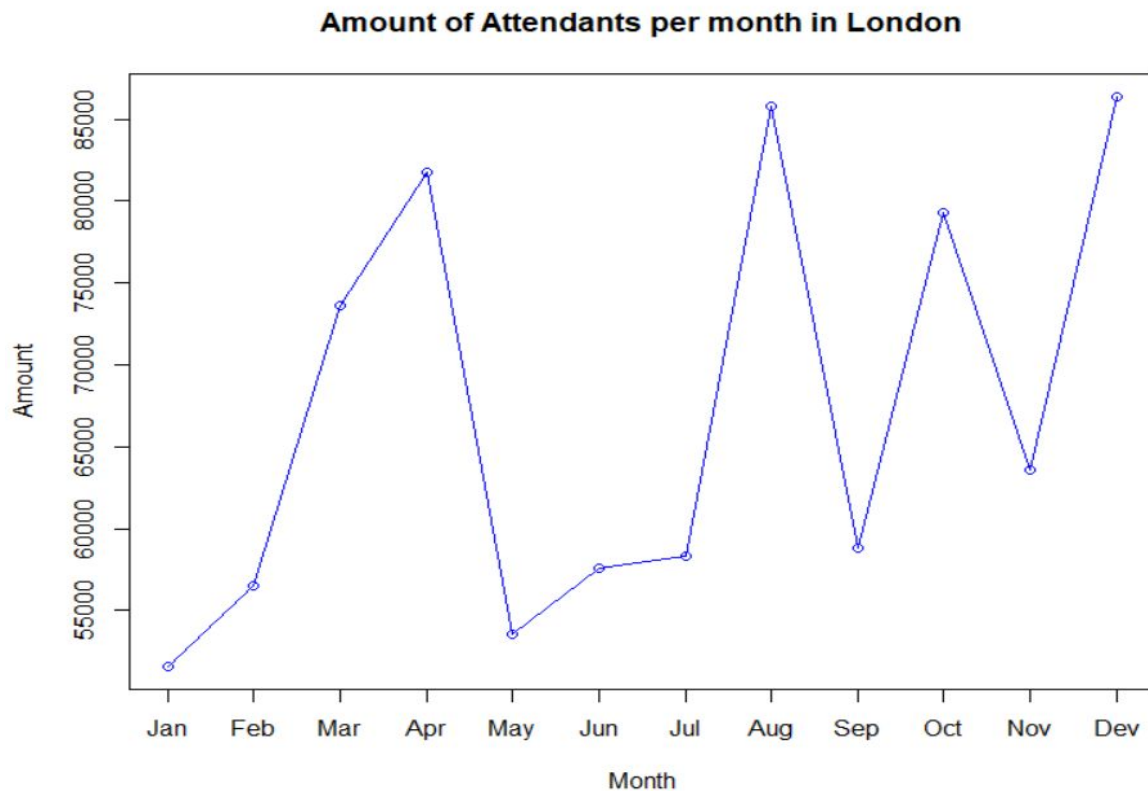
April and December are the most popular.



Calendar

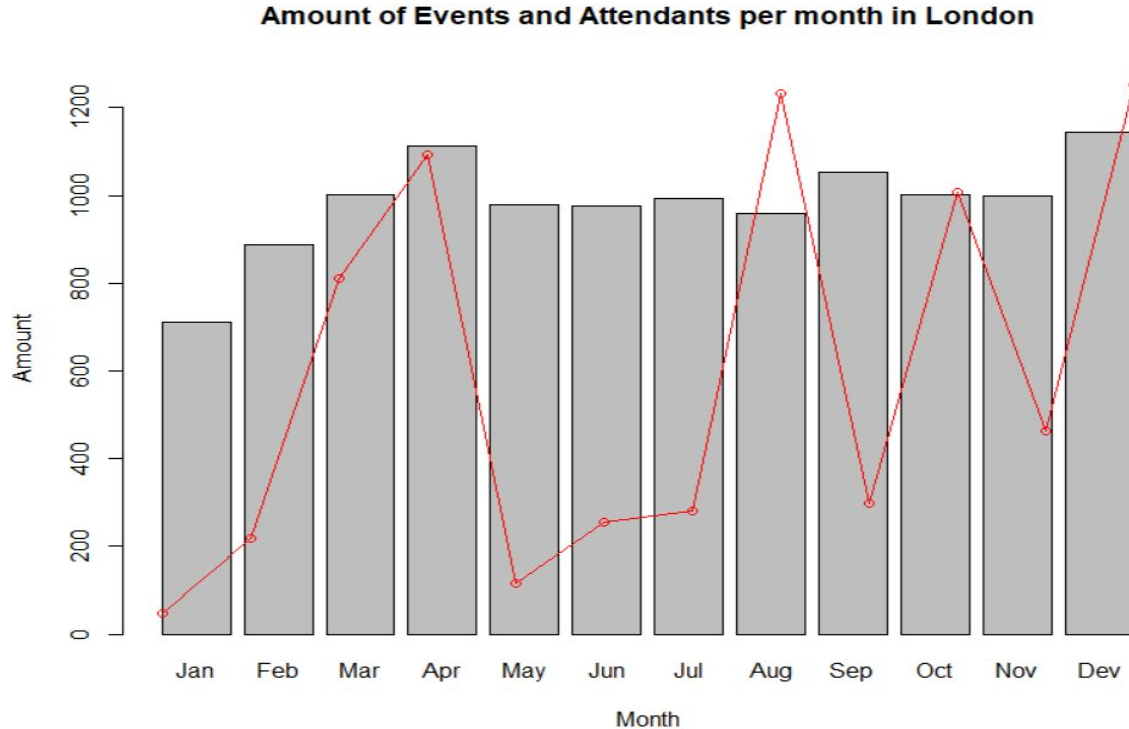
January 2017 By month						
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1	2	3	4	5	6	7
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22	23	24	25	26	27	28
29	30	31	1	2	3	4

2. Amount of attendants per month in London



Many attendants in April, August and December.

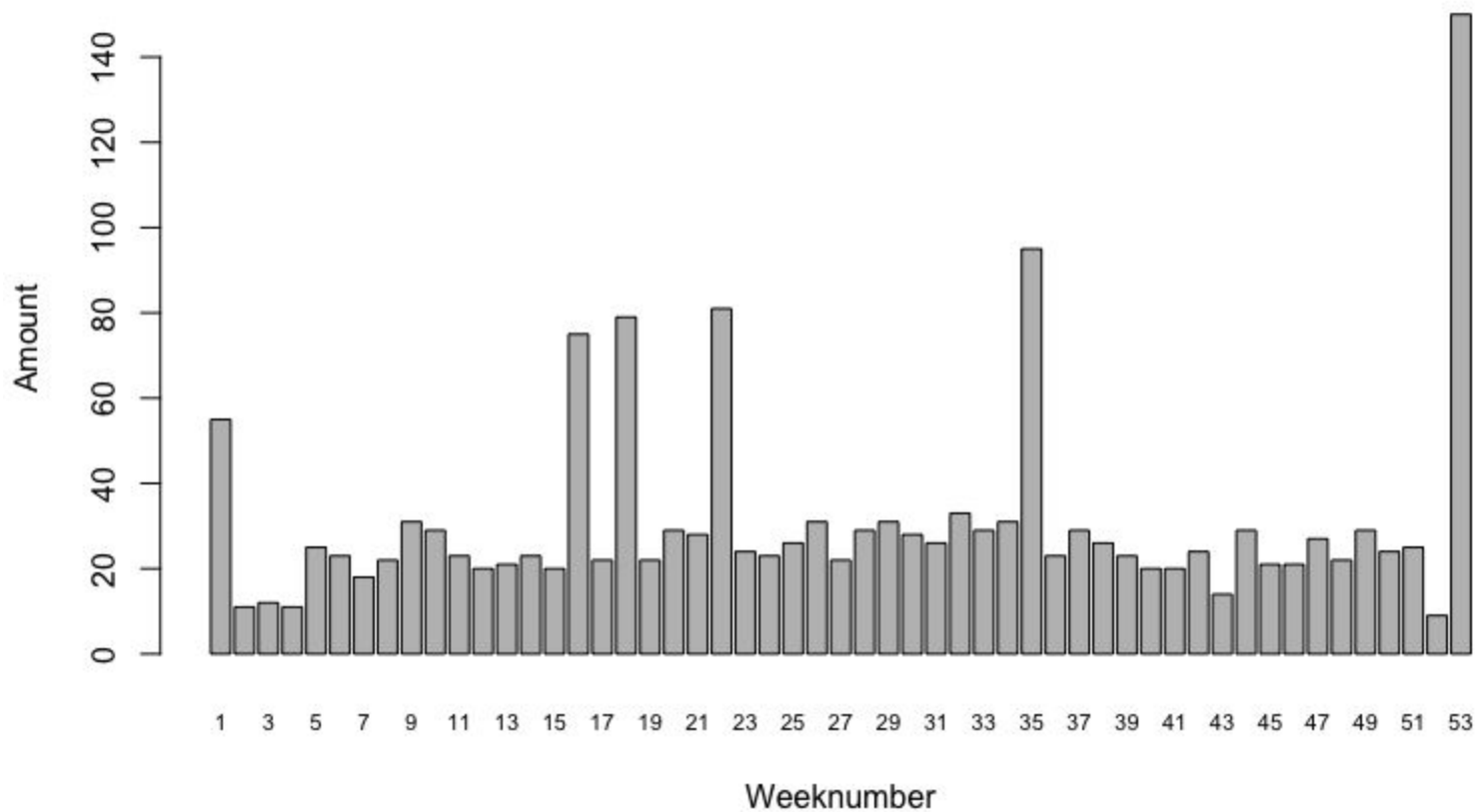
2. Compare the monthly amount of events to monthly amount of attendants in London



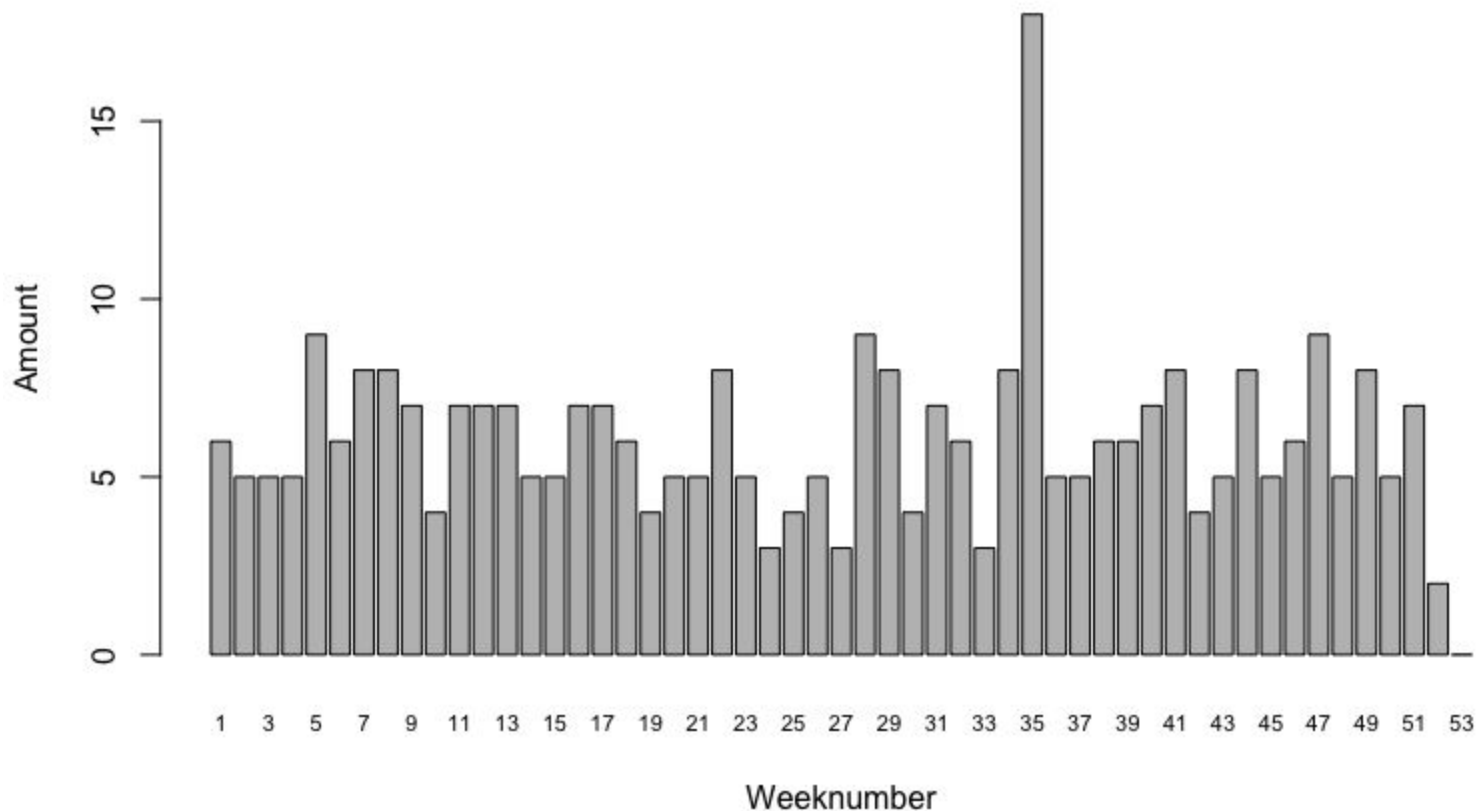
Many events but few attendants
in May, June, July.

3. Most popular weekday for clubbing by amount of events in London

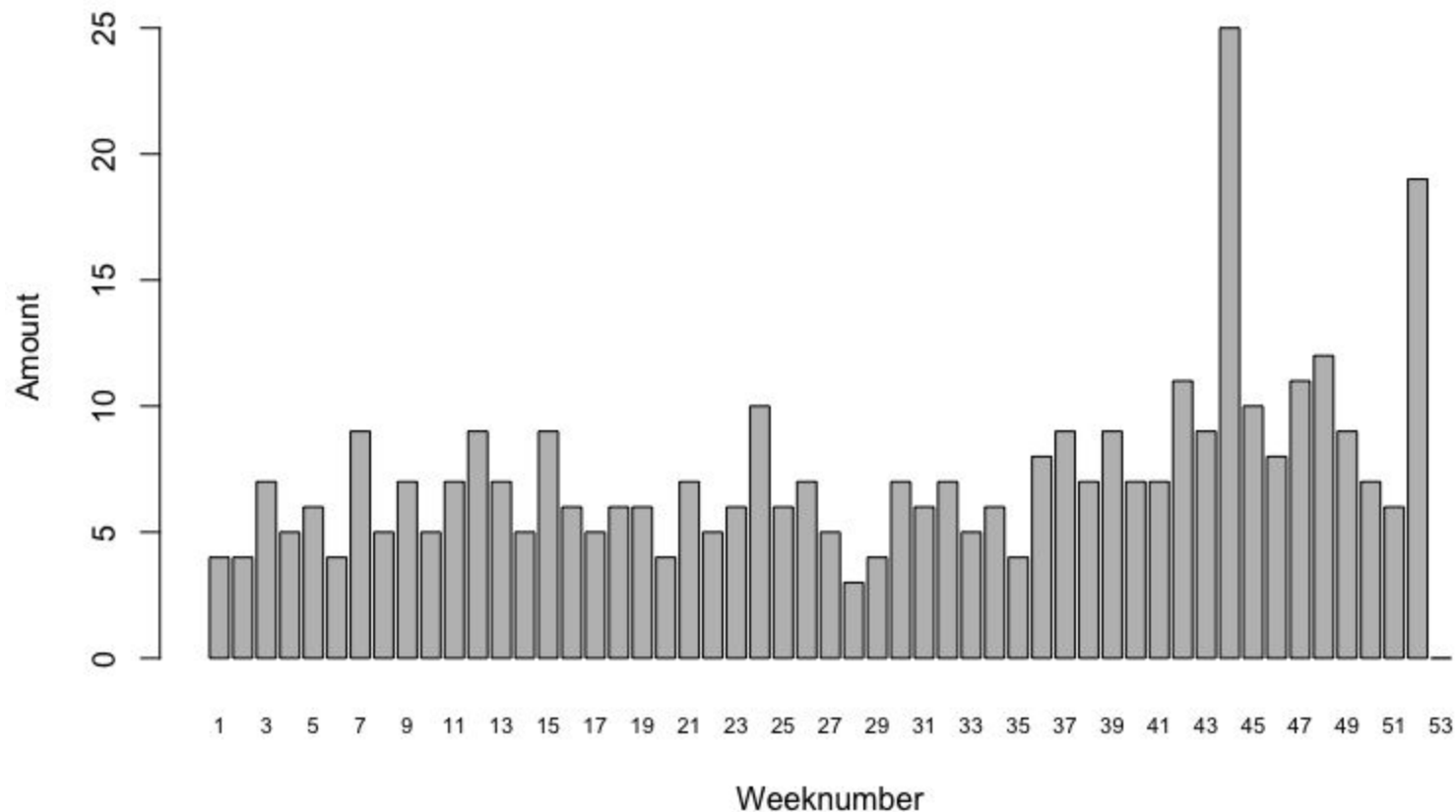
Amount of events on Sunday in 2017 in London



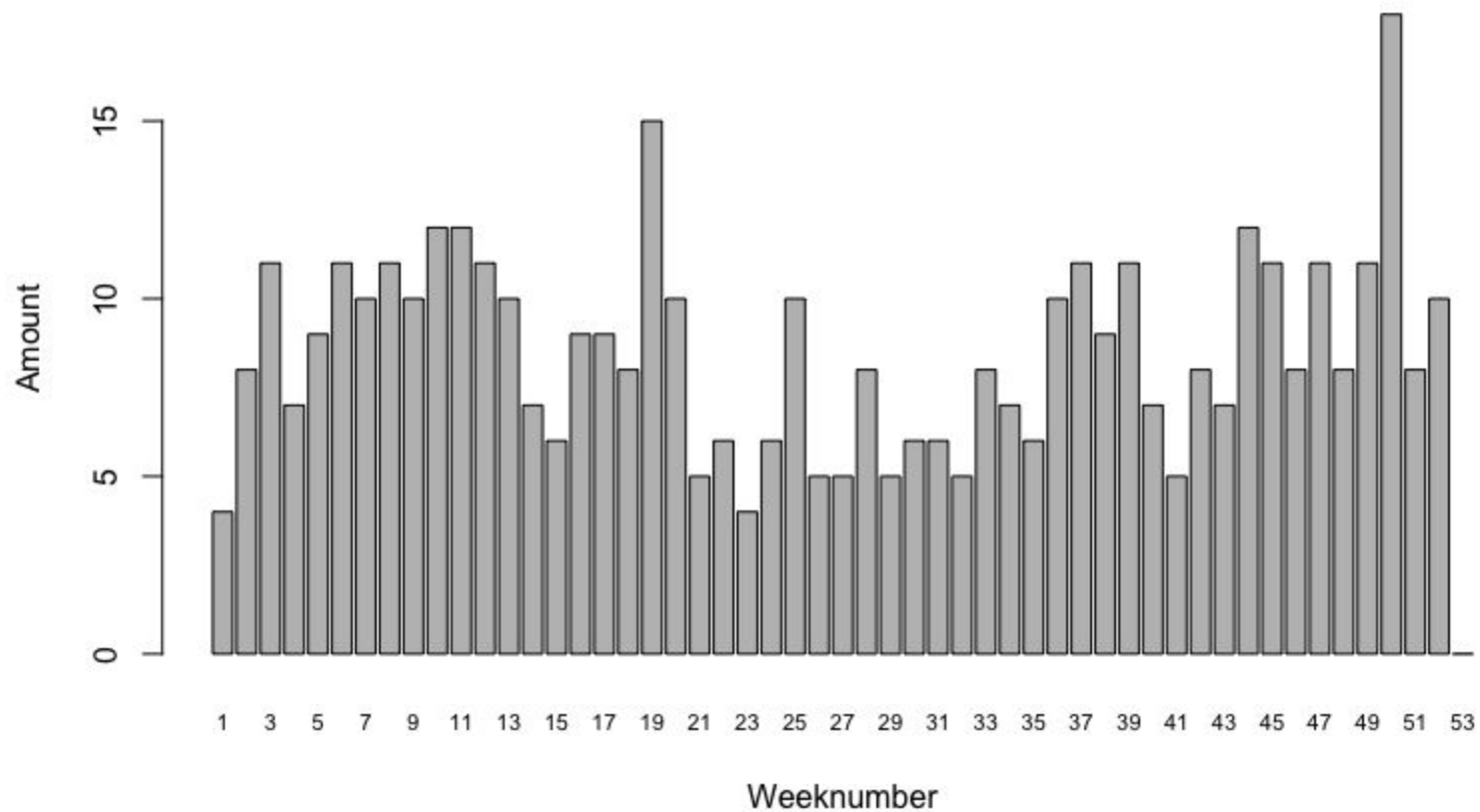
Amount of events on Monday in 2017 in London



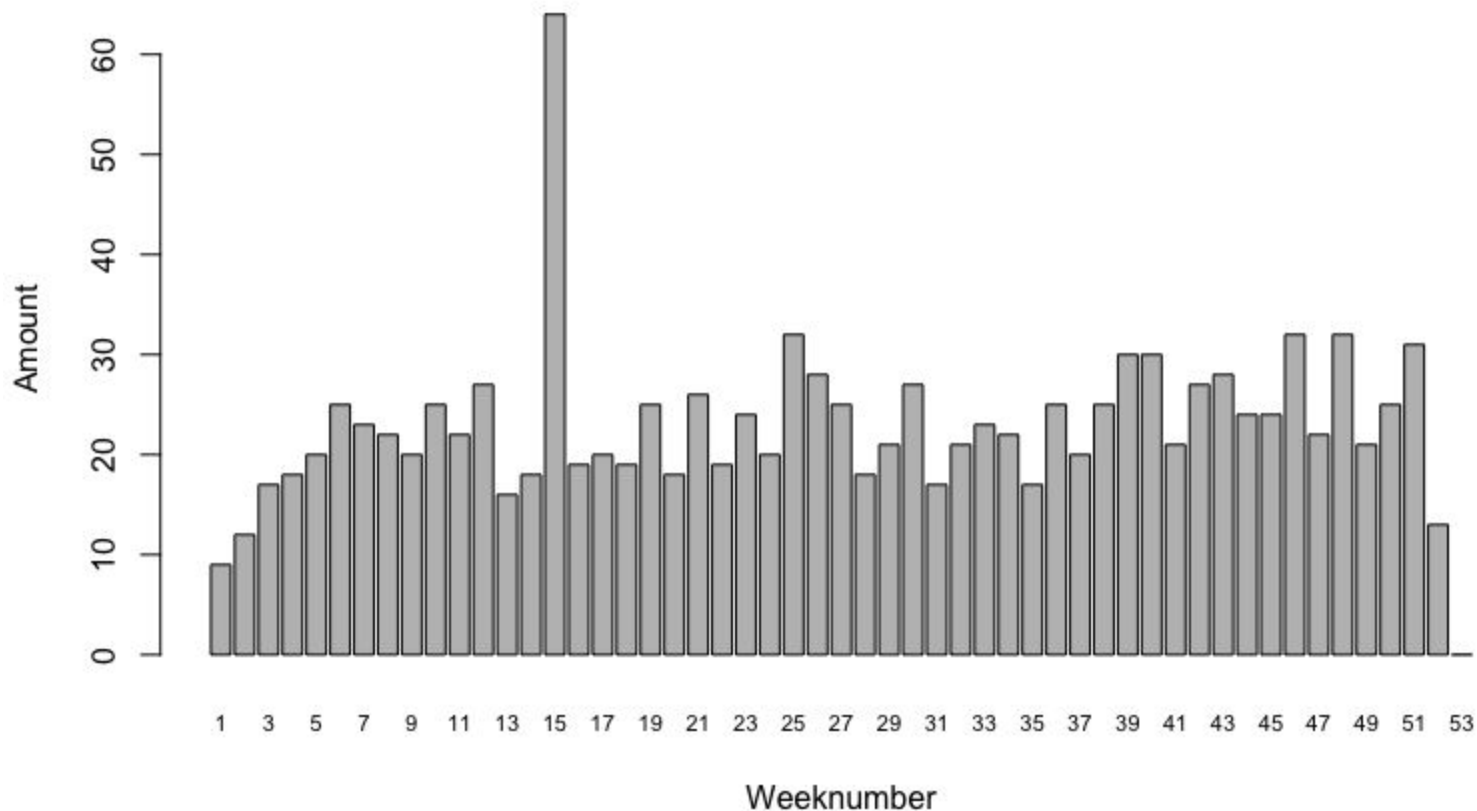
Amount of events on Tuesday in 2017 in London



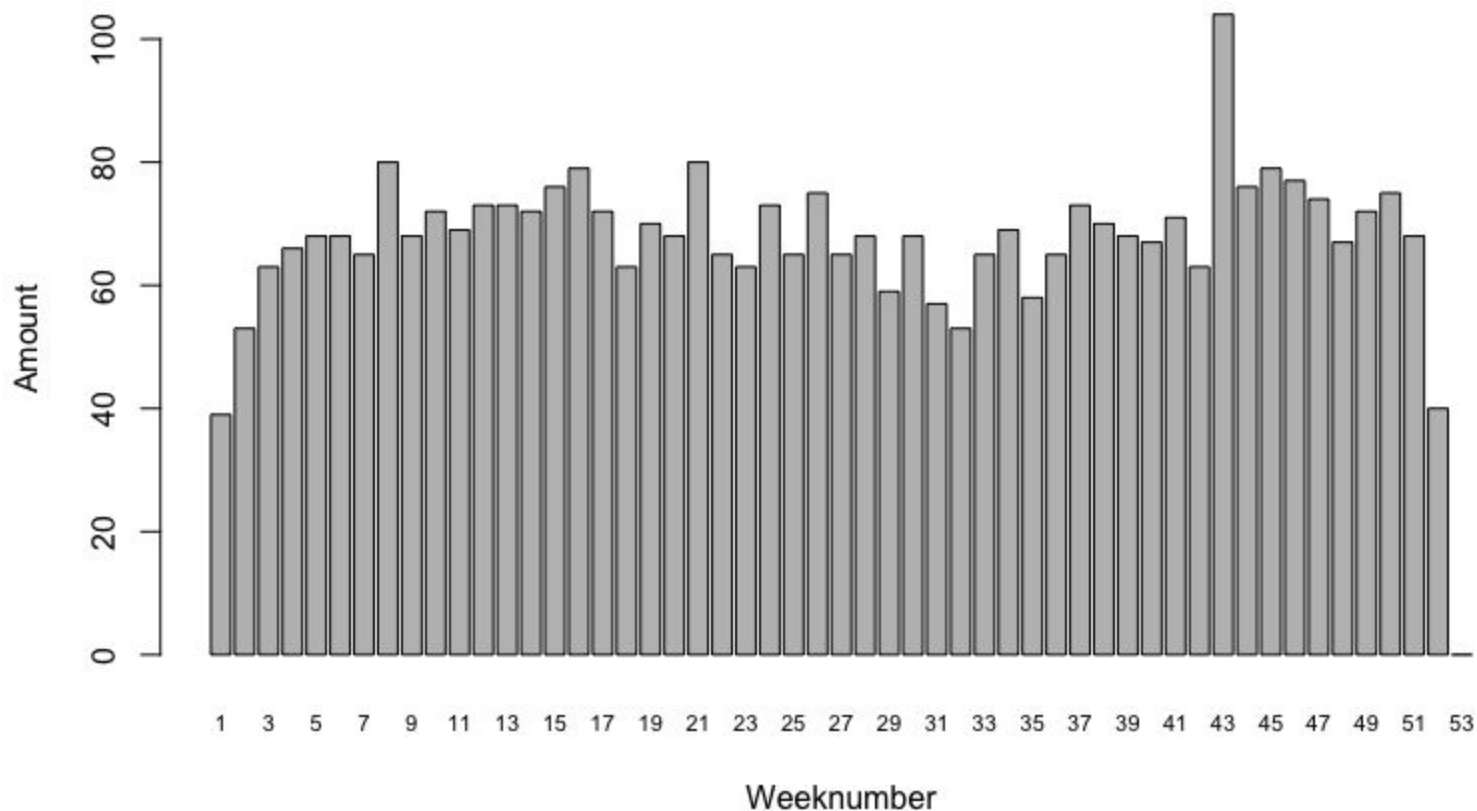
Amount of events on Wednesday in 2017 in London



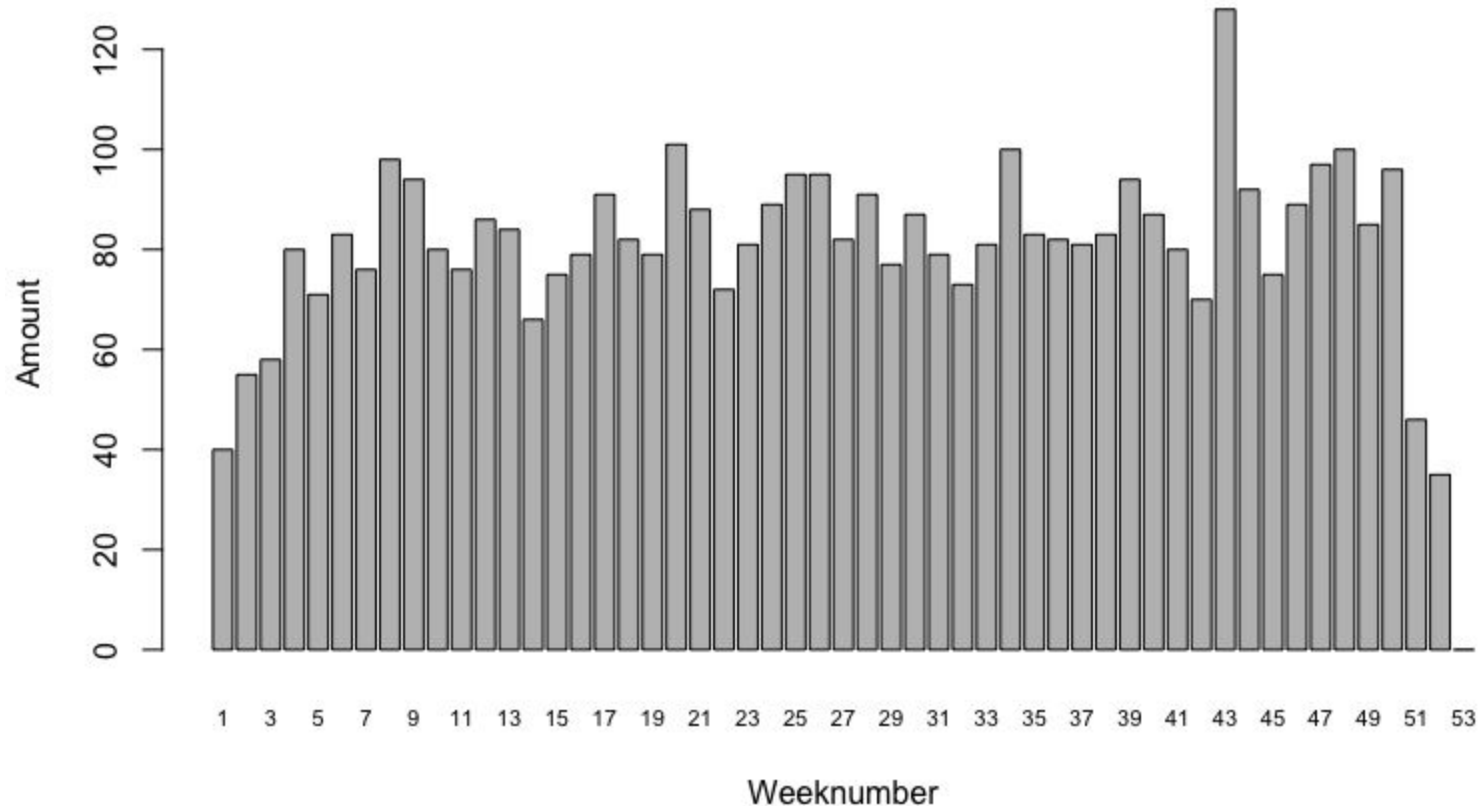
Amount of events on Thursday in 2017 in London



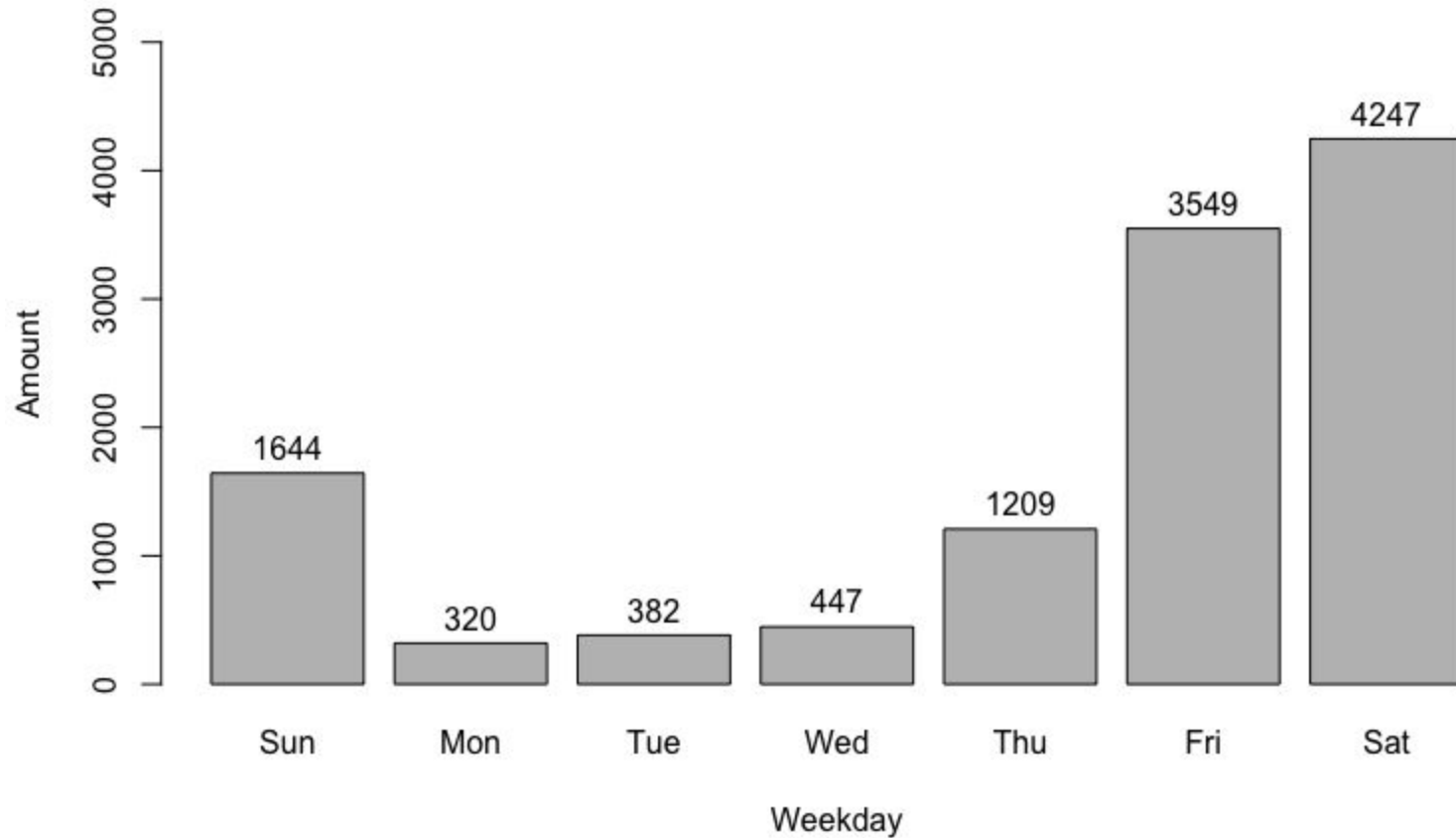
Amount of events on Friday in 2017 in London



Amount of events on Saturday in 2017 in London



Total number of events per weekday in 2017 in London



4. Find the most popular artists in London

- Search the number of occurrences of artist names

← London / ← Events

LWE NYD 2017

Date /
Sunday
1 Jan 2017
12:00 - 22:30
New Years Day

Venue /
Tobacco Dock
50 Porters Walk; London; E1W 2SF
🇬🇧 United Kingdom



Ticket sales have ended

Line-up /

--[Carl Cox](#) & Friends - The Great Gallery--

[Carl Cox](#)

+In alphabetical order:

[Jon Rundell](#)

[Solardo](#)

[Yousef](#)

Special Guest: [Dubfire](#)

Knee Deep In Sound - The Car Park

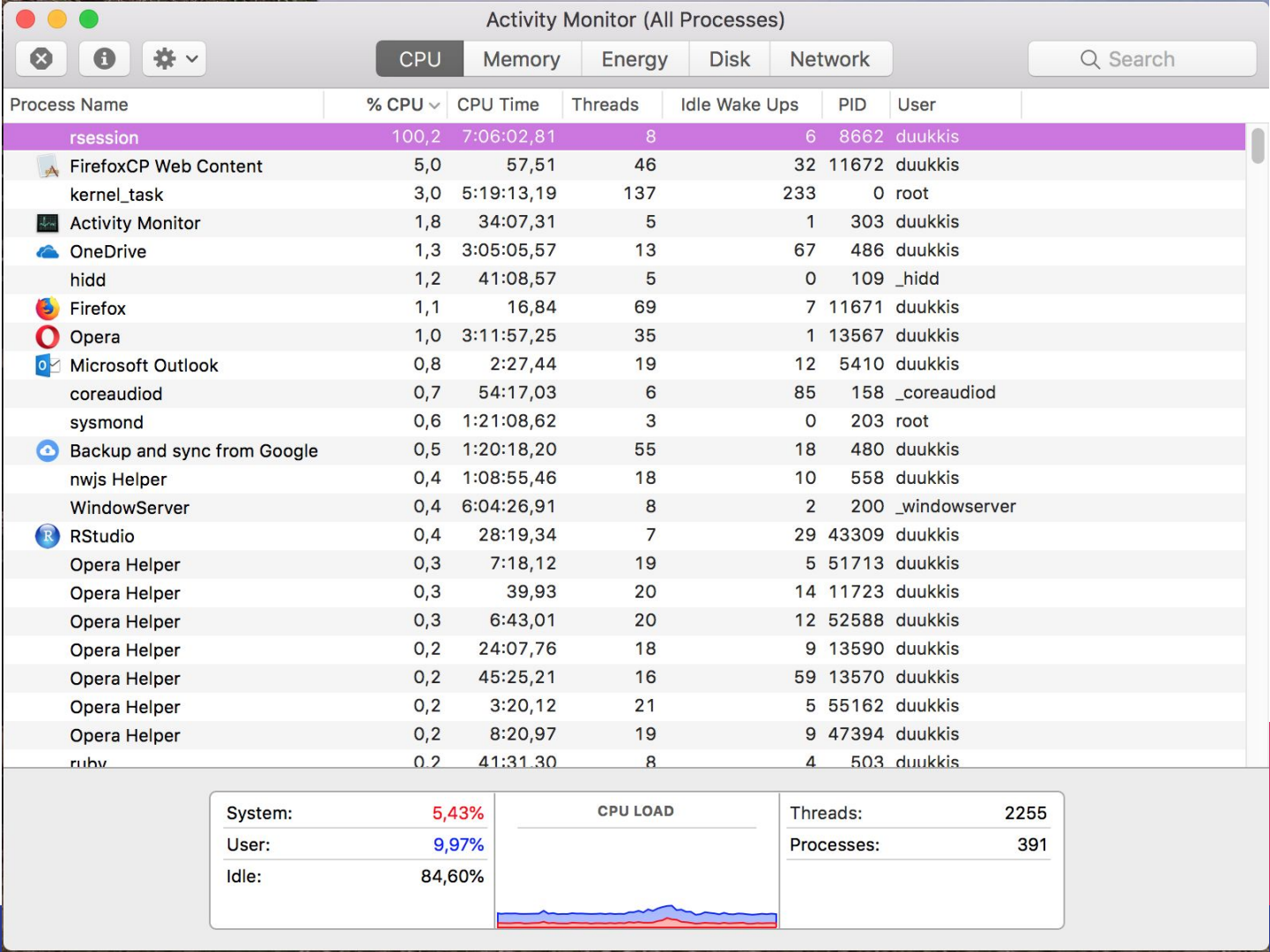
[Hot Since 82](#)

+In alphabetical order:

[ANNA](#) (BR)

[Butch](#)

[Guti](#) (live)



most_popular_weekday.R x locations.R x most_popular_artists.R x most_popular_month.R

Source on Save Run Source

```

40 }
47
48 an_character <- crawl_artist_name_data(epu)
49 an_data_frame <- data.frame(epu$V1, an_character)
50 write.table(x = an_data_frame, file = 'output/artist_names_london.csv',
51           row.names = F, col.names = F)
52
53 # Fourth, count the number of occurrences of artist names
54 an <- read.table(file = 'output/artist_names_london.csv')
55
56 substrings <- c()
57 for (i in seq_along(an$V2)) {
58   substrings <- c( substrings,
59                   unlist( strsplit(
60                       as.character( an$V2[i] ), split = "|-", fixed = TRUE ) ) )
61 }
62 an_occurrences <- c()
63 for (i in seq_along(substrings)) {
64   an_occurrences <- c(an_occurrences,
65                       stri_count_fixed(substrings, substrings[i]))
66 }
67

```

66:2 (Top Level) R Script

Environment History Connections

Import Dataset

Global Environment

Data

an	11821 obs. of 2 variables
epu	11821 obs. of 1 variable

Values

an_occurrences	Large integer (542745665 elements, 2 Gb)
nt [1:542745665]	1 0 0 0 0 0 0 0 0 ...
artist_name_data	NULL (empty)
i	21296L
months_stub	chr [1:12] "01-01" "02-01" "03-01" "04-01" "05-01" "06-01" ...
substrings	Large character (25487 elements, 544.5 Kb)
url_months	chr [1:12] "https://www.residentadvisor.net/events/uk/london..."

Functions

compute_event_page_u...	function (months)
crawl_artist_name_da...	function (epu)

5. Find the most international artists in London

- Which artists have the most gigs in different locations?
- Had to give up with this as well...

Conclusion

- Clubbing culture different western countries to eastern countries
- The difference between popular venues and unpopular venues is quite large in London
- The most popular month is April and December.
- Many attendants in April, August and December.
- The most popular weekday is Sat, then Fri and Sun
- Holidays have a very positive effect on clubbing

Thank you!