#### **Indeed Data**

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#### **About Document**

An example of treating and ploting data from indeed

#### **Treating data**

```
library(plyr)
library(stringr)
library(ggplot2)
#### Read data ####
files <- Sys.glob("./results/*")
df t <- read.csv(file = files[1])</pre>
file date <- as.Date(str extract(string = files[1],
                      pattern = "[[:digit:]]{4}-[[:digit:]]{2}-[[:digit:]]{2}"))
df t <- df t[which(!(str detect(string = df t$date,
                    pattern = "30+"))),]
file date <- as.Date(str extract(string = files[1],
                      pattern = "[[:digit:]]{4}-[[:digit:]]{2}-[[:digit:]]{2}"))
df t$date <- file date - as.numeric(str extract(string = df t$date,
                                pattern = "[[:digit:]]+"))
for(i in 2:length(files)){
 df <- read.csv(file = files[i])</pre>
 df <- df[which(!(str detect(string = df$date,</pre>
                    pattern = "30+"))),]
 file date <- as.Date(str extract(string = files[i],
               pattern = "[[:digit:]]{4}-[[:digit:]]{2}-[[:digit:]]{2}"))
 df$date <- file_date - as.numeric(str_extract(string = df$date,</pre>
                                pattern = "[[:digit:]]+"))
 df$date[which(is.na(df$date))] <- file date
 df t <- rbind(df t,df[which(!(df$link %in% df t$link)),])</pre>
 #message("Files ",i," - ",length(files))
}
df t$count <- 1
df agreggated <- ddply(.data = df t,
               .variables = .(date),
               .fun = summarize.
               totallobs=sum(count))
df companies date <- ddply(.data = df t,
               .variables = .(date,company),
```

#### **Data Information**

#### **Range of dates**

## [1] "2018-12-29" "2019-02-07"

#### **Total Observations**

##[1]194

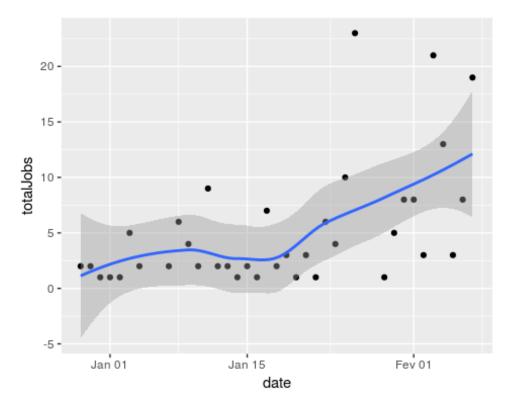
#### **Total companies listed**

##[1]66

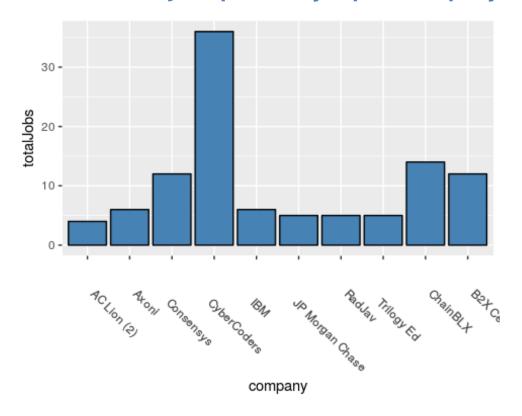
#### **Total localizations listed**

##[1]53

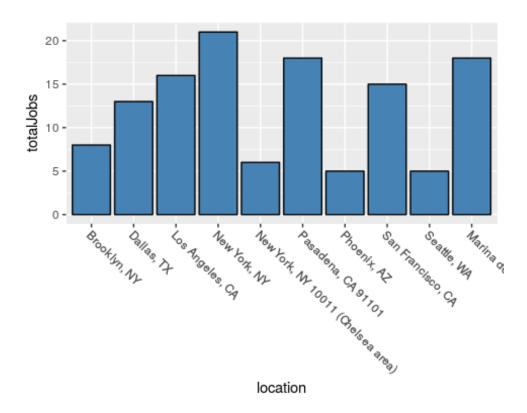
# **Graphics Total Ethereum Jobs posted per date**



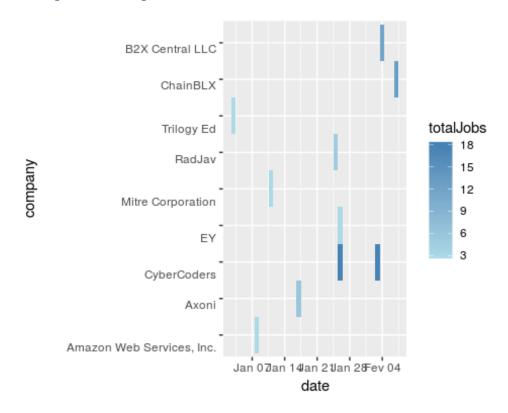
### **Total Ethereum Jobs posted by top 10 company**



## **Total Ethereum Jobs posted in top 10 localizations**



### Total Ethereum Jobs posted by top 10 companies per date



#### **Session**

```
## R version 3.4.4 (2018-03-15)
## Platform: x86 64-pc-linux-gnu (64-bit)
## Running under: Ubuntu 16.04.5 LTS
##
## Matrix products: default
## BLAS: /usr/lib/libblas/libblas.so.3.6.0
## LAPACK: /usr/lib/lapack/liblapack.so.3.6.0
##
## locale:
## [1] LC CTYPE=pt PT.UTF-8
                                LC NUMERIC=C
## [3] LC TIME=pt BR.UTF-8
                                LC COLLATE=pt PT.UTF-8
## [5] LC MONETARY=pt BR.UTF-8
                                   LC MESSAGES=pt PT.UTF-8
## [7] LC PAPER=pt BR.UTF-8
                                LC NAME=C
## [9] LC ADDRESS=C
                              LC TELEPHONE=C
## [11] LC MEASUREMENT=pt BR.UTF-8 LC IDENTIFICATION=C
##
## attached base packages:
              graphics grDevices utils
                                       datasets methods base
## [1] stats
##
## other attached packages:
## [1] ggplot2 3.1.0 stringr 1.3.1 plyr 1.8.4
##
```

```
## loaded via a namespace (and not attached):
## [1] Rcpp 1.0.0
                                      knitr 1.21
                                                    magrittr 1.5
                       bindr 0.1.1
                                        colorspace_1.4-0 R6_2.3.0
## [5] tidyselect_0.2.5 munsell_0.5.0
## [9] rlang 0.3.1
                      dplyr 0.7.8
                                     tools 3.4.4
                                                    grid 3.4.4
## [13] gtable 0.2.0
                                      withr 2.1.2
                                                     htmltools 0.3.6
                       xfun 0.4
                                        lazyeval_0.2.1 digest 0.6.18
## [17] assertthat_0.2.0 yaml_2.2.0
## [21] tibble 2.0.\overline{1}
                       crayon 1.3.4
                                       bindrcpp 0.2.2 purrr 0.3.0
## [25] glue \overline{1}.3.0
                                       rmarkdown 1.11 labeling 0.3
                       evaluate 0.12
## [29] stringi 1.2.4
                       compiler 3.4.4
                                       pillar 1.3.1 scales 1.0.0
## [33] pkgconfig 2.0.2
```