

Lesson3

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1 Prelude

```
work_dir = '/Users/RickyLim/Documents/OnlineLearning/DataAnalysisR/'
library(ggplot2)
```

2 Dataset

```
pf <- read.csv(paste0(work_dir, 'Data/pseudo_facebook.tsv'),
               sep = '\t')
dim(pf)

## [1] 99003    15

head(pf)

##      userid age dob_day dob_year dob_month gender tenure friend_count friendships_initiated
## 1 2094382  14     19    1999        11  male    266          0                      0
## 2 1192601  14      2    1999        11 female     6          0                      0
## 3 2083884  14     16    1999        11  male    13          0                      0
## 4 1203168  14     25    1999        12 female    93          0                      0
## 5 1733186  14      4    1999        12  male    82          0                      0
## 6 1524765  14      1    1999        12  male    15          0                      0
##      likes likes_received mobile_likes mobile_likes_received www_likes www_likes_received
## 1      0              0              0              0              0              0
## 2      0              0              0              0              0              0
## 3      0              0              0              0              0              0
## 4      0              0              0              0              0              0
## 5      0              0              0              0              0              0
## 6      0              0              0              0              0              0
```

2.1 User's Birthday

```
names(pf)

## [1] "userid"      "age"          "dob_day"
## [4] "dob_year"    "dob_month"    "gender"
## [7] "tenure"      "friend_count" "friendships_initiated"
## [10] "likes"       "likes_received" "mobile_likes"
## [13] "mobile_likes_received" "www_likes"    "www_likes_received"
```

```
p <- qplot(x = dob_day, data=pf ) +
  scale_x_discrete(breaks=1:31) +
  facet_wrap(~dob_month, ncol=3)
ggsave('figs/user_bod.pdf')

## Saving 7 x 7 in image
```

Filename: lesson3.Rnw

Working directory: /Users/RickyLim/Documents/OnlineLearning/DataAnalysisR/Codes/Lesson3

3 Metainfo

```
sessionInfo()

## R version 3.1.1 (2014-07-10)
## Platform: x86_64-apple-darwin13.3.0 (64-bit)
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets  methods    base
##
## other attached packages:
## [1] ggplot2_1.0.0 knitr_1.7
##
## loaded via a namespace (and not attached):
## [1] codetools_0.2-8  colorspace_1.2-4 digest_0.6.4     evaluate_0.5.5   formatR_1.0
## [6] grid_3.1.1       gtable_0.1.2     highr_0.3        labeling_0.3     MASS_7.3-33
## [11] munsell_0.4.2    plyr_1.8.1       proto_0.3-10     Rcpp_0.11.2      reshape2_1.4
## [16] scales_0.2.4     stringr_0.6.2    tools_3.1.1
```

