Sukun

2018-06-18

```
1.
    가
                                                                         1).
            20
                                가
                                                                   2015
Koweps_hpc10_2015_beta1.sav
                                                                     3가
                                                                                              (1) h10_g4:
                                           int
                                                                                                  20
              . (2) h10_eco8:
                                       . 21
                                                            01
                                                                                                    76
                                                                   99
                                                                       . (3) h10_reg7:
7가
                         7
2. R
// package install
                                                                                        . library(foreign) library(dplyr)
library(ggplot2) library(readxl)
raw_welfare <- read.spss(file = "Koweps_hpc10_2015_beta1.sav", to.data.frame = T) welfare <- raw_welfare
str(welfare) welfare <- rename(welfare, birth = h10_g4, business_category = h10_eco8, code_region = h10_reg7) //
summary(welfarebirth)table(is.na(welfarebirth)) welfarebirth <
                                                                     ifelse(((2018 welfarebirth)<15 | (2018 -
                                                                          , 2015
welfarebirth) > 60, NA, welfarebirth) //
                                                 1
                                                                                                           15
  60
              2), 3).
                        1
                                                                          가
welfare age < 2018 welf ar ebirth +1 summary (welfare $age)
welfare <- welfare %>% mutate(age_group = ifelse(age < 20, "10 ", ifelse(age < 30, "20 ", ifelse(age < 40, "30 ",
ifelse(age < 50, "40 ", "50 ~
                                     "))))) //
                                        가
welfare category_n ame < if else (welf are business_category <=3, "
                                                                           ", ifelse(welfare business_c at egory < =
                                                 ", ifelse(welfare business_c at egory < = 36, , , , ifelse(welfar)
8, , if else(welf ar ebusiness_category <= 33, "
ebusiness_category
<= 39, "
                    ", if else (welfare business category <= 42, , if else (welfare business category <= 47, "
         ", ifelse(welfarebusiness_category <= 52, if else(welf arebusiness_category <= 56, "
      ", ifelse(welfare business_category <= 63, , , , ifelse(welfare business_category <= 66, "
ifelse(welfarebusiness_category <=69, if else(welfarebusiness_category <=73, "
ifelse(welfarebusiness_category <= 75, , if else(welfarebusiness_category <= 84, "
      ", ifelse(welfare business_category <=85, if else(welfare business_category <=87, "
ifelse(welfarebusiness_category \leq 91, , if else(welfarebusiness_category \leq 96, '
        ", ifelse(welfare$business_category <= 98, "
                                                                                          ", NA))))))))))))))))//
                                                                        가
library(KoNLP) library(dplyr) useNIADic()
twen <- welfare %>% filter(age group=="20") %>% select(category name) table(twen$category name) write.csv(twen,
file="twen.csv") // 20
                                                                                  CSV
                                                                                                           . 20
```

```
library(stringr)
twentxt <- str_replace_all(twentxt, "\W", "") //
twennouns <- sapply(twentxt, extractNoun, USE.NAMES = F) //
                                                                                                                     4).
table(unlist(twennouns)) twen_job <- as.data.frame(jobcount, stringAsFactors = F) twen_job <- rename(twen_job, word =
Var1, freq = Freq)
twen_jobword < as.character(twen_iobword) twen_job <- filter(twen_job, nchar(word) >= 2) //
summary(twen_jobf req)//.boxplot(twen_j obfreq)$stats //
                                                                       boxplot
twen_job <- twen_job %>% filter(freq > 1) //
//
                                                            가
library(wordcloud) library(RColorBrewer)
pal <- brewer.pal(8, "Dark2")
set.seed(1234) wordcloud(words = twen_jobword, freq = twen_jobfreq, min.freq = 3, max.words = 71, random.order = F,
rot.per = .1, scale = c(4, 0.3), colors = pal)
twen_region <- welfare %>% filter(age_group=="20") %>%
select(business_category, code_region) //
                                                                          20
table(is.na(twen_region)) twen_region <- twen_region %>% filter(!is.na(business_category)) table(is.na(twen_region)) //
    가
seoul_business <- twen_region %>% filter(code_region==1) %>% select(business_category) //
seoul_service_job <- seoul_business %>% filter(business_category %in% c(58, 59, 60, 61, 62, 63, 70, 71, 72, 73, 74, 75, 85,
90, 91, 94, 95, 96)) %>% summarise(" "=n()) // 20
                                                                                20
seoul_service_job <- seoul_service_job %>% mutate("
                                                              ") //
                                                                                                          가
service_job <- bind_rows(seoul_service_job, gyeonggi_service_job, gyeongsangnam_service_job, gyeongsangbuk_service_job,
chungcheongnam_service_job, chungcheongbuk_gangwon_service_job, jeolla_jeju_service_job) //
ggplot(data = service_job, aes(x = reorder(
                                                  ), y =
                                                            )) + geom_col() + coord_flip() //
library(kormaps2014)
korpop1 <- korpop1
```

. twentxt <- readLines("twen.csv") //

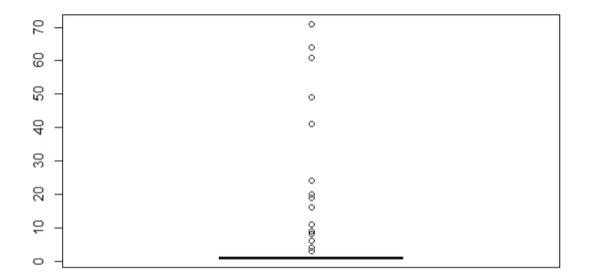
CSV

korpop1 $. \ \mathsf{pop} \mathrel{<\!\!\!\!-} \mathsf{c(19,\,10,\,3,\,22,\,12,\,8,\,10,\,8,\,22,\,5,\,5,\,8,\,12,\,12,\,3,\,10,\,12)} \ \mathsf{code} \mathrel{<\!\!\!\!-} \mathsf{c("11",\,"21",\,"$ "22", "23", "24", "25", "26", "29", "31", "32", "33", "34", "35", "36", "37", "38", "39")korpop <- data.frame(name, pop, code)</pre>

ggplot(korpop,aes(fill = pop, map_id=code, tooltip = name), interactive = T) + # korpop $geom_map(map=kormap1,colour="black",size=0.1) + expand_limits(x=kormap1long, y = kormap1lat) + scale_fill_gradientn(colours=c('white') + scale_fill_gradie$ + ggtitle("2015 ") + coord_map()

3.

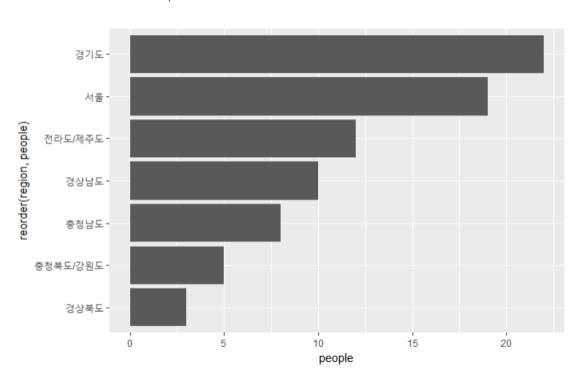
20 . 20 가



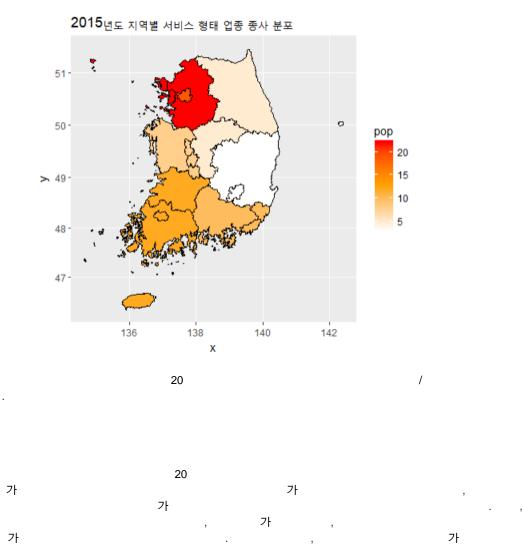
, 1



, 20



/ 가



5.

1) , ^r , 2002, 81~82 .

5),

2) , " ?", 2014.06.08, http://www.nodong.or.kr/alba_sense/ 1462641, 2018.06.18.

3) ,^r ,₁,^r ,₂24 1 , ,2014, 21~22 .

4) , [R] R 9 , 2018.05.23, http://datamod.tistory.com/95, 2018,06,18.

5) ,^r , 2008, 3~4 .

4.

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6) ,^r , 2014, 17~21 .