

# Check Japanese Font using on FactoMineR v2

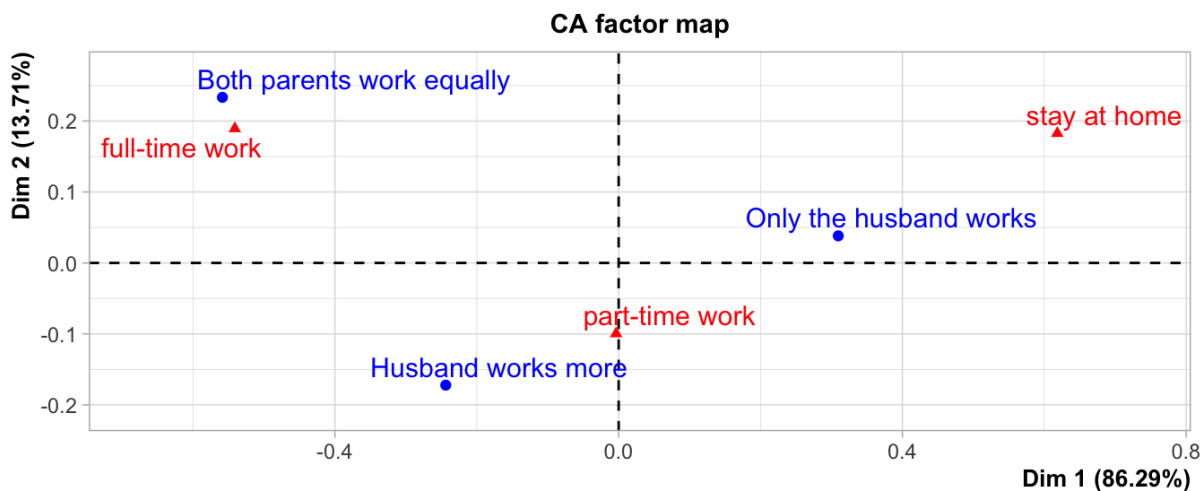
/Users/kazuo/Dropbox/RStudio/FactoMineR\_v2/graphTypeGgplot.Rmd

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## 1 Get data from Web and try to CA on it

```
work_women <- read_delim("http://factominer.free.fr/bookV2/work_women.csv",delim =";")
work_women %>% select(1:4) %>% column_to_rownames("X1") -> work_women.df
res.CA <- CA(work_women.df)
```



## 2 Convert English variable names and category names into Japanese

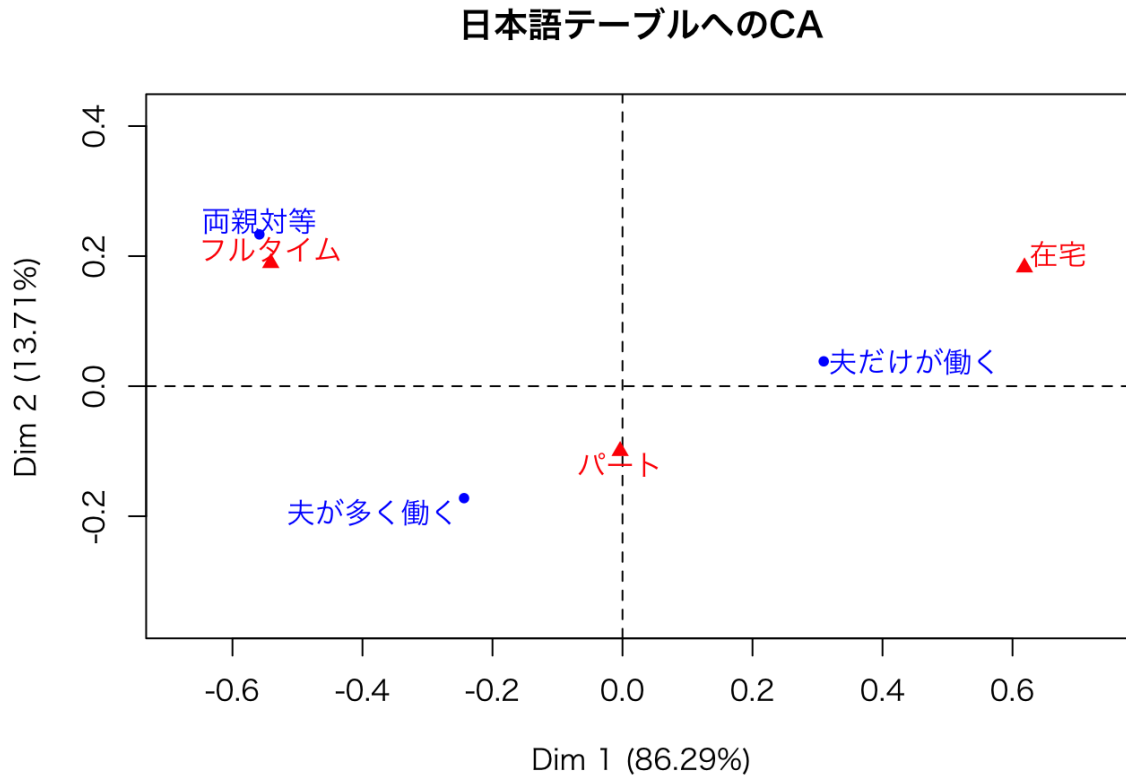
```
work_women.df_J <- work_women.df
colnames(work_women.df_J) <- c("在宅","パート","フルタイム")
rownames(work_women.df_J) <- c("両親対等","夫が多く働く","夫だけが働く")
work_women.df_J
```

```
##      在宅 パート フルタイム
## 両親対等   13  142   106
## 夫が多く働く  30  408   117
## 夫だけが働く 241  573    94
```

```
res.CA_J <- CA(work_women.df_J,graph = FALSE)
```

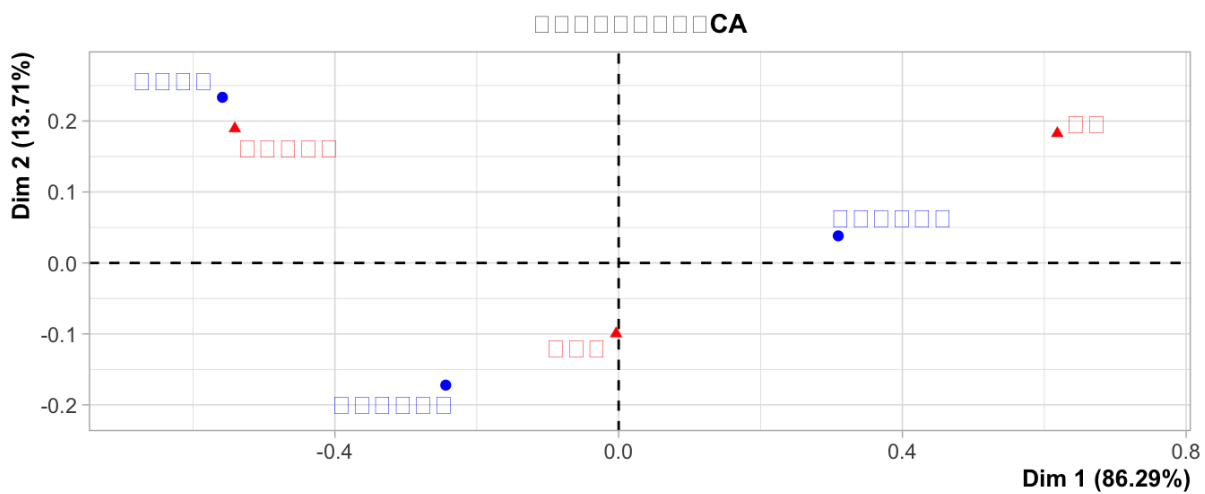
### 2.1 graph.type= "classic", it works fine!

```
plot.CA(res.CA_J,graph.type = "classic",title = "日本語テーブルへのCA")
```



## 2.2 graph.typ = "ggplot. it doesn't work.

```
plot.CA(res.CA_J,graph.type = "ggplot",title = "日本語テーブルへのCA")
```



## 2.3 set Chunk option and showtext\_auto(TRUE) it works fine !

```
showtext_auto(TRUE)
```

```
plot.CA(res.CA_J,graph.type = "ggplot",title = "日本語テーブルへのCA")
```

