DRC Yellow Fever Notebook

This is an R Markdown Notebook. When you execute code within the notebook, the results appear beneath the code.

Try executing this chunk by clicking the *Run* button within the chunk or by placing your cursor inside it and pressing *Cmd+Shift+Enter*.

```
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
df <- Hmisc::mdb.get('data/YF20082016.mdb') %>% tbl_df

# # % of cases by sex for each province
# df %>%
#   count(ProvinceOfresidence, Sex) %>%
#   mutate(freq = n / sum(n) * 100)
#
# # % of cases by province for each sex
# df %>%
#   count(Sex, ProvinceOfresidence) %>%
#   mutate(freq = n / sum(n) * 100)
#
# # % of all cases by province & sex (total sums to 100)
# df %>%
#   count(ProvinceOfresidence, Sex) %>%
#   ungroup %>%
#   mutate(freq = n / sum(n) * 100)

df %>%
  count(ProvinceOfresidence) %>%
  mutate(freq = n / sum(n) * 100) %>%
  knitr::kable()
```

ProvinceOfresidence	n	freq
Bas Uele	23	1.1898603
Equateur	9	0.4655975
Haut Katanga	8	0.4138645
Haut Lomami	26	1.3450595
Haut Uele	1	0.0517331
Ituri	6	0.3103983
Kasai	51	2.6383859
Kasai Central	17	0.8794620
Kasai Oriental	2	0.1034661
Kinshasa	875	45.2664252

ProvinceOfresidence	n	freq
KINSHASA	170	8.7946198
Kongo Central	348	18.0031040
Kwango	190	9.8292809
Kwilu	30	1.5519917
Lomami	6	0.3103983
Lualaba	42	2.1727884
Maindombe	3	0.1551992
Maniema	1	0.0517331
Mongala	2	0.1034661
Nord Kivu	7	0.3621314
Nord Ubangi	25	1.2933264
Sankuru	2	0.1034661
Sud-Kivu	5	0.2586653
Sud-Ubangi	12	0.6207967
Tshopo	11	0.5690636
Tshuapa	61	3.1557165

Add a new chunk by clicking the *Insert Chunk* button on the toolbar or by pressing *Cmd+Option+I*.

When you save the notebook, an HTML file containing the code and output will be saved alongside it (click the *Preview* button or press *Cmd+Shift+K* to preview the HTML file).