

R Notebook

```
## Warning: package 'rgdal' was built under R version 3.5.2
```

```
## Loading required package: sp
```

```
## rgdal: version: 1.4-3, (SVN revision 828)
## Geospatial Data Abstraction Library extensions to R successfully loaded
## Loaded GDAL runtime: GDAL 2.1.3, released 2017/20/01
## Path to GDAL shared files: /Library/Frameworks/R.framework/Versions/3.5/Resources/library/rgdal/gdal
## GDAL binary built with GEOS: FALSE
## Loaded PROJ.4 runtime: Rel. 4.9.3, 15 August 2016, [PJ_VERSION: 493]
## Path to PROJ.4 shared files: /Library/Frameworks/R.framework/Versions/3.5/Resources/library/rgdal/proj
## Linking to sp version: 1.3-1
```

```
## Warning: package 'maptools' was built under R version 3.5.2
```

```
## Checking rgeos availability: TRUE
```

```
## Warning: package 'raster' was built under R version 3.5.2
```

```
## Warning: package 'dplyr' was built under R version 3.5.2
```

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

```
## The following objects are masked from 'package:raster':
##
## intersect, select, union
```

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

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

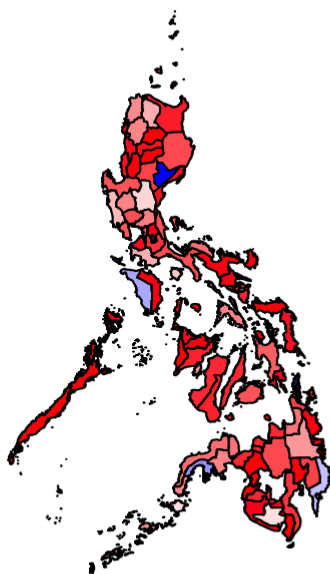
```
## Warning in matrix(value, n, p): data length [6] is not a sub-multiple or
## multiple of the number of columns [4]
```

Female Representation by Province

Note: The more red the province, the more male representatives, the more blue the province, the more female representatives, white is balanced (50% male, 50% female)

```
## Loading required package: viridisLite
```

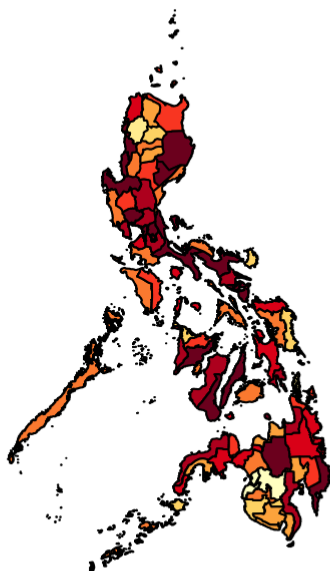
Percent Female Representation by Province



Length of Family with Most Terms as Congress Person

Note: Yellow is least (1-2 congress terms), dark red is most (10-11 congress terms)

Length of Longest Political Dynasty Province



Party Fielding Most Congress Representatives by Province

Legend of Parties:

- Yellow: Liberal
- Light Blue: Lakas
- Blue: LDP
- Green: NPC
- Red: Nacionalista
- Orange: Independent
- Gray: Other

```
## [1] "Light Blue" "Yellow"      "Green"      "Light Blue" "Yellow"
## [6] "Light Blue" "Green"      "Blue"       "Yellow"     "Yellow"
## [11] "Yellow"     "Light Blue" "Light Blue" "Green"      "Light Blue"
## [16] "Yellow"     "Light Blue" "Green"      "Light Blue" "Green"
## [21] "Light Blue" "Yellow"     "Green"      "Yellow"     "Green"
## [26] "Light Blue" "Light Blue" "Red"        "Light Blue" "Yellow"
## [31] "Light Blue" "Light Blue" "Yellow"     "Gray"       "Yellow"
## [36] "Light Blue" "Green"      "Yellow"     "Green"      "Yellow"
## [41] "Green"      "Light Blue" "Light Blue" "Light Blue" "Light Blue"
## [46] "Green"      "Yellow"     "Light Blue" "Light Blue" "Blue"
## [51] "Green"      "Green"      "Light Blue" "Yellow"     "Light Blue"
## [56] "Blue"       "Light Blue" "Yellow"     "Gray"       "Light Blue"
## [61] "Green"      "Yellow"     "Yellow"     "Green"      "Red"
## [66] "Yellow"     "Light Blue" "Gray"       "Light Blue" "Green"
## [71] "Green"      "Orange"     "Orange"     "Orange"     "Light Blue"
## [76] "Light Blue" "Green"      "Orange"     "Light Blue" "Yellow"
## [81] "Orange"     "Light Blue"
```

Dominant Party by Province

