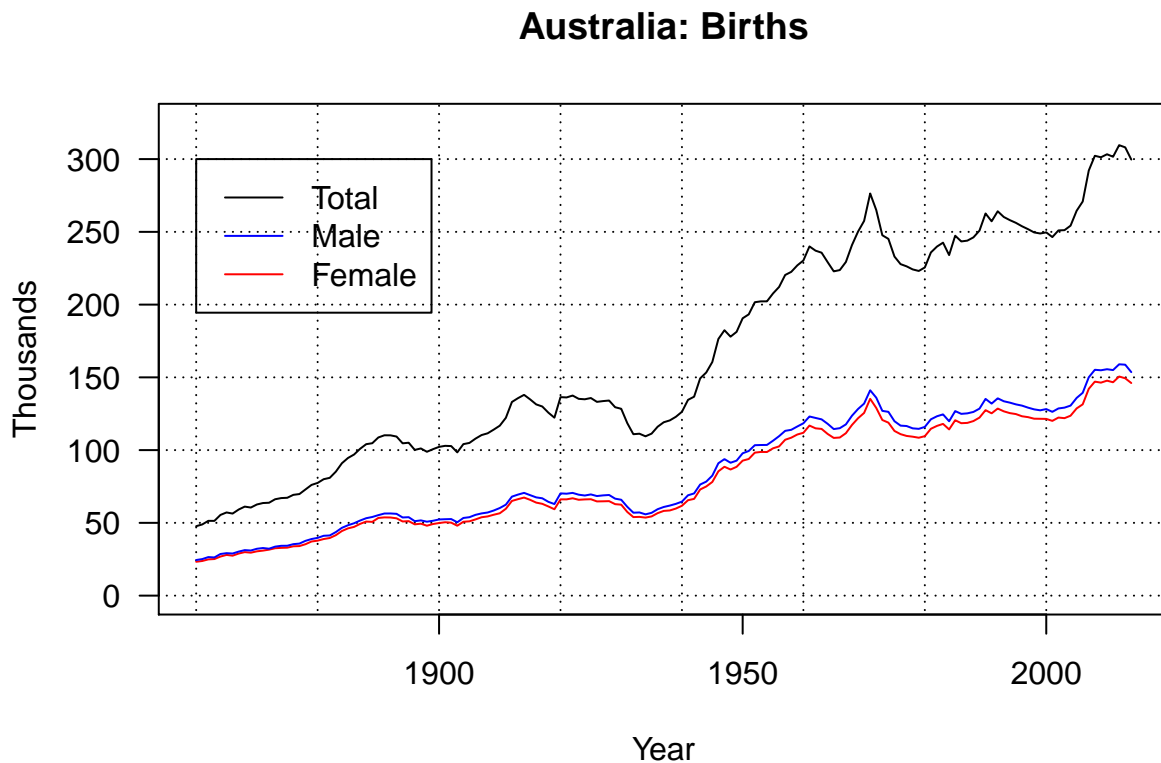


Using the Human Mortality Data

1. Go to www.mortality.org
2. Create a user name and password
3. Login
4. Choose country: Australia
5. Choose data: Births
6. Download file: Australia_Births_Raw.txt
7. Strip header from file and save: Australia_Births.dat

```
### read data file
dd <- read.table(file="Australia_Births.dat", header=TRUE)
```

Plot Australia births



```
#### Read table of Australia Life expectancy at birth
dd.le <- read.table(file="Australia_LifeExpBirth_1x10.dat", header = TRUE)
```

Print table of Australia Life expectancy at birth

Raw output

```
dd.le
```

##	Year	Female	Male	Total
## 1	1921-1929	64.66	60.73	62.55
## 2	1930-1939	67.42	63.48	65.34
## 3	1940-1949	69.77	65.49	67.54
## 4	1950-1959	72.86	67.10	69.85
## 5	1960-1969	74.29	67.73	70.86

```
## 6 1970-1979 76.09 69.14 72.49
## 7 1980-1989 78.91 72.27 75.54
## 8 1990-1999 81.08 75.26 78.16
## 9 2000-2009 83.23 78.38 80.82
## 10 2010-2014 84.45 80.28 82.38
```

Raw output without hashtags using `comment=`

```
dd.le
```

```
      Year Female Male Total
1 1921-1929 64.66 60.73 62.55
2 1930-1939 67.42 63.48 65.34
3 1940-1949 69.77 65.49 67.54
4 1950-1959 72.86 67.10 69.85
5 1960-1969 74.29 67.73 70.86
6 1970-1979 76.09 69.14 72.49
7 1980-1989 78.91 72.27 75.54
8 1990-1999 81.08 75.26 78.16
9 2000-2009 83.23 78.38 80.82
10 2010-2014 84.45 80.28 82.38
```

Prettier output using `kable`

```
library(knitr)
kable(dd.le, caption="Australia Life Expectancy at Birth")
```

Table 1: Australia Life Expectancy at Birth

Year	Female	Male	Total
1921-1929	64.66	60.73	62.55
1930-1939	67.42	63.48	65.34
1940-1949	69.77	65.49	67.54
1950-1959	72.86	67.10	69.85
1960-1969	74.29	67.73	70.86
1970-1979	76.09	69.14	72.49
1980-1989	78.91	72.27	75.54
1990-1999	81.08	75.26	78.16
2000-2009	83.23	78.38	80.82
2010-2014	84.45	80.28	82.38

Regression

```
# regression births as a function of year
fit <- lm(Total ~ Year, data=dd)
```

Regression output using `kable`

```
test <- summary(fit)
kable(test$coefficients, caption="Regression Table")
```

Table 2: Regression Table

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-2981348.95	66225.53874	-45.01812	0
Year	1624.62	34.18063	47.53042	0

```
library(stargazer)
```

```
## Warning: package 'stargazer' was built under R version 3.2.5
```

```
##
```

```
## Please cite as:
```

```
## Hlavac, Marek (2018). stargazer: Well-Formatted Regression and Summary Statistics Tables.
```

```
## R package version 5.2.1. https://CRAN.R-project.org/package=stargazer
```

```
stargazer(fit, type="html")
```

Dependent variable:

Total

Year

1,624.620***

(34.181)

Constant

-2,981,349.000***

(66,225.540)

Observations

155

R2

0.937

Adjusted R2

0.936

Residual Std. Error

19,040.480 (df = 153)

F Statistic

2,259.141*** (df = 1; 153)

Note:

$p < 0.1$; $p < 0.05$; $p < 0.01$