

# Project 1

2024-02-14



# R Markdown

This is an R Markdown presentation. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document.

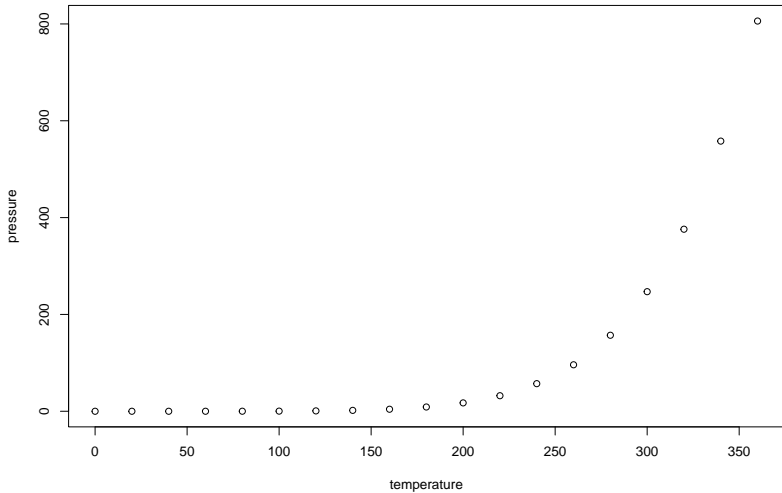
## Slide with Bullets

- ▶ Bullet 1
- ▶ Bullet 2
- ▶ Bullet 3

## Slide with R Output

```
##           speed           dist
##  Min.      : 4.0      Min.      :  2.00
##  1st Qu.:12.0      1st Qu.: 26.00
##  Median :15.0      Median : 36.00
##  Mean   :15.4      Mean   : 42.98
##  3rd Qu.:19.0      3rd Qu.: 56.00
##  Max.    :25.0      Max.     :120.00
```

# Slide with Plot



## Load the Dataset

```
## [1] "Country.Name" "Country.Code" "X1960"      "X1961"
## [6] "X1963"        "X1964"        "X1965"      "X1966"
## [11] "X1968"        "X1969"        "X1970"      "X1971"
## [16] "X1973"        "X1974"        "X1975"      "X1976"
## [21] "X1978"        "X1979"        "X1980"      "X1981"
## [26] "X1983"        "X1984"        "X1985"      "X1986"
## [31] "X1988"        "X1989"        "X1990"      "X1991"
## [36] "X1993"        "X1994"        "X1995"      "X1996"
## [41] "X1998"        "X1999"        "X2000"      "X2001"
## [46] "X2003"        "X2004"        "X2005"      "X2006"
## [51] "X2008"        "X2009"        "X2010"      "X2011"
## [56] "X2013"        "X2014"        "X2015"      "X2016"
## [61] "X2018"        "X2019"        "X2020"      "X2021"
## [66] "X"
```

```
##           Country.Name Country.Code X1960 X1961 X1962
## 1                Aruba          ABW    NA    NA    NA
## 2 Africa Eastern and Southern      AFE    NA    NA    NA
```

## Convert data to long format

```
##
```

```
## 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
```

```
## [1] "Country.Name" "Country.Code" "Year"          "Poverty"
```

```
##           Country.Name Country.Code  Year Poverty
```

```
## 1                Aruba          ABW X1960
```

```
## 2 Africa Eastern and Southern      AFE X1960
```

```
## 3                Afghanistan      AFG X1960
```

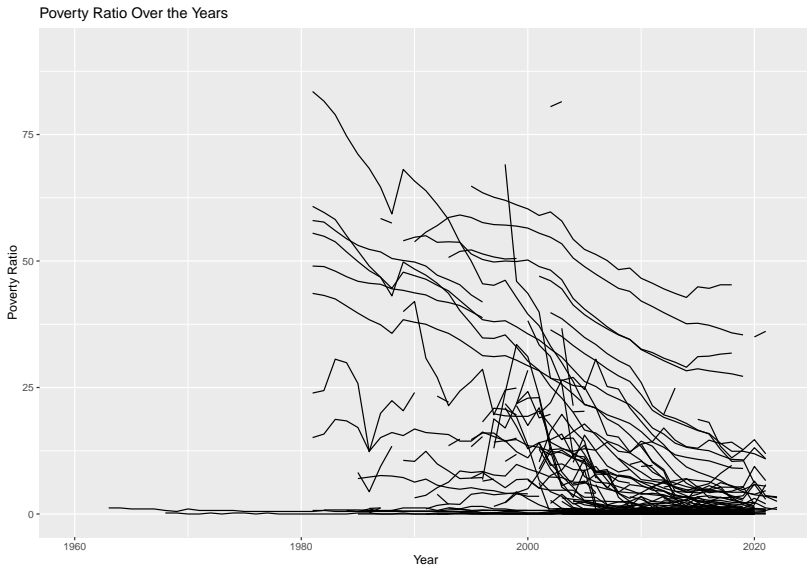
```
## 4 Africa Western and Central      AFW X1960
```

```
## 5                Angola          AGO X1960
```



## plot the data for all the countries

## Warning: Removed 12733 rows containing missing values (



Create a histogram to visualize the distribution of the selected numeric variable. You are encouraged to experiment with bin sizes and labels.

```
## Warning: Removed 14525 rows containing non-finite values
```



Create a box plot to visualize the median, quartiles, and potential outliers of the selected numeric variable.

```
## Warning: Continuous x aesthetic  
## i did you forget 'aes(group = ...)'?  
## Warning: Removed 266 rows containing missing values ('st  
## Warning: Removed 14259 rows containing non-finite values
```

