gapminderAnalysesDemo

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```
# install.packages("dplyr")
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
```

```
gap.in <- read.table( "output/combined_gapMinder.tsv", sep = "\t", header = TRUE )

gap.in %>%
  select( year, pop, country, continent ) %>%
  filter( year == 2002 ) %>%
  group_by( continent ) %>%
  summarise( mean = mean( pop ) )
```

```
## Source: local data frame [5 x 2]
##
##   continent      mean
##      (fctr)     (dbl)
## 1    Africa  16028847
## 2  Americas  33990910
## 3      Asia 109145521
## 4    Europe  19274129
## 5   Oceania  11727414
```

```
gap.in %>%
  select( country, continent ) %>%
  group_by( continent )
```

```
## Source: local data frame [1,698 x 2]
## Groups: continent [5]
##
##        country continent
##         (fctr)    (fctr)
## 1  Afghanistan      Asia
## 2  Afghanistan      Asia
## 3  Afghanistan      Asia
## 4  Afghanistan      Asia
```

```
## 5  Afghanistan      Asia
## 6  Afghanistan      Asia
## 7  Afghanistan      Asia
## 8  Afghanistan      Asia
## 9  Afghanistan      Asia
## 10 Afghanistan      Asia
## ..         ...       ...
```

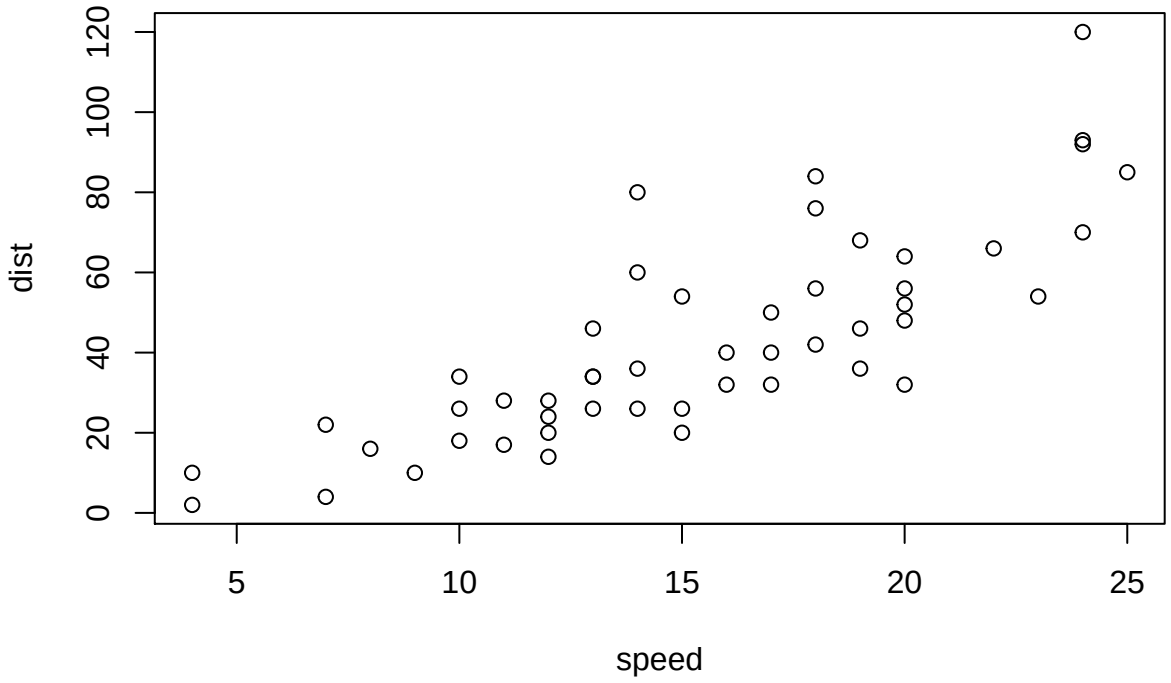
This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

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. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      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
```

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

Here's a LaTeXequation:

$$f(x) = \frac{a+b}{c-\frac{d}{2}}$$

$$\mathbb{R}^3_a$$