# Human dataset analysis details

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### R Markdown

In this document, we detail the procedures used to analyze the human datasets studied in Cabreros and Storey, 2018 (https://www.biorxiv.org/content/early/2019/03/27/240812.full.pdf).

## Data acquisition

There are four human datasets analyzed in this work:

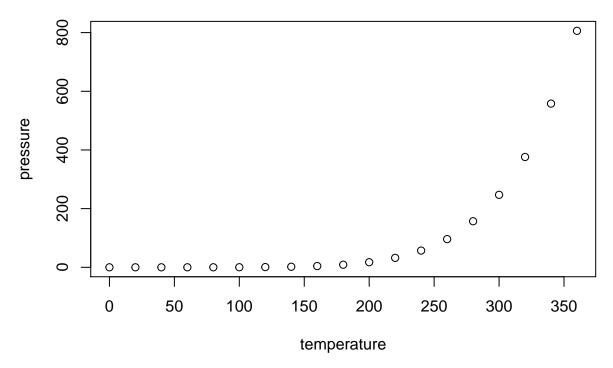
- 1. TGP (1000 Genomes Project) (The 1000 Genomes Project Consortium 2015)
- 2. HGDP (Human Genome Diversity Project) (Cavalli-Sforza 2005)
- 3. HO (Human Origins) (Lazaridis and others 2014)
- 4. INDIA (Basu, Sarkar-Roy, and Majumder 2016)

### summary(cars)

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

## **Including Plots**

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.

Basu, Analabha, Neeta Sarkar-Roy, and Partha P. Majumder. 2016. "Genomic Reconstruction of the History of Extant Populations of India Reveals Five Distinct Ancestral Components and a Complex Structure." *Proceedings of the National Academy of Sciences* 113 (6). National Academy of Sciences: 1594–9. doi:10.1073/pnas.1513197113.

Cavalli-Sforza, L. L. 2005. "The Human Genome Diversity Project: Past, Present and Future." *Nature Reviews Genetics* 6: 333–40.

Lazaridis, I., and others. 2014. "Ancient Human Genomes Suggest Three Ancestral Populations for Present-Day Europeans." *Nature* 513: 409–13.

The 1000 Genomes Project Consortium. 2015. "A Global Reference for Human Genetic Variation." *Nature* 526: 68–74.