

سلام و درود

در این تمرین دو مجموعه داده برای شما در نظر گرفته شده است. مجموعه داده اول در کلاس درس معرفی شده است و مجموعه داده دوم مربوط به

South African Heart Disease

هست و اطلاعات کامل تر برای معرفی داده ها و فراخوانی داده ها در R در زیر آمده است. گزارش مربوطه به تحلیل این دو مجموعه داده را به صورت کامل قبل از تاریخ سررسید در سامانه بارگذاری گردد.

A retrospective sample of males in a heart-disease high-risk region of the Western Cape, South Africa. There are roughly two controls per case of CHD. Many of the CHD positive men have undergone blood pressure reduction treatment and other programs to reduce their risk factors after their CHD event. In some cases the measurements were made after these treatments. These data are taken from a larger dataset, described in Rousseau et al, 1983, South African Medical Journal.

sbp	systolic blood pressure
tobacco	cumulative tobacco (kg)
ldl	low density lipoprotein cholesterol
adiposity	
famhist	family history of heart disease (Present, Absent)
typea	type-A behavior
obesity	
alcohol	current alcohol consumption
age	age at onset
chd	response, coronary heart disease

To read into R:

```
Heart <- read.table("http://www-  
stat.stanford.edu/~tibs/ElemStatLearn/datasets/SAheart.data",  
  sep=" ", head=T, row.names=1)
```