

# Data Processing

Team 2

2025-11-03

## Read Data

```
data <- read.csv("00_ProstateCancer_Data.csv", header=T)
str(data)

## 'data.frame': 600 obs. of 31 variables:
## $ Hasta_ID      : int 0 1 2 3 4 5 6 7 8 9 ...
## $ Yas           : int 59 69 66 59 70 73 72 72 63 57 ...
## $ Tani_Tarihi   : chr "2022-12-09" "2023-08-26" "2021-11-17" "2022-01-15" ...
## $ PSA_Tani       : num 41.3 12.9 32 142.7 16.2 ...
## $ Klinik_Evre    : chr "cT3a" "cT2b" "cT3b" "cT3b" ...
## $ Biyopsi_Gleason: chr "3+5" "4+3" "3+5" "4+4" ...
## $ Risk_Grubu     : int 3 2 3 3 2 3 3 3 3 3 ...
## $ Albumin        : num 4.1 4.6 4.1 3.5 4.3 4.2 4.8 4.2 4 4.5 ...
## $ Lenfosit       : int 2227 1168 1125 1623 1399 2103 2038 1418 1936 1348 ...
## $ CRP            : num 0.58 0.12 0.16 1.76 0.53 0.1 0.46 0.27 0.11 0.62 ...
## $ NLR            : num 1.7 1.7 3.5 1.7 2.3 2.2 4 2.8 2.3 1.8 ...
## $ CALLY_Index     : num 1.6 4.5 2.9 0.3 1.1 8.8 2.1 2.2 7 1 ...
## $ Komorbidite_Skor: int 2 0 1 0 2 4 0 2 3 5 ...
## $ Tedavi_Tipi    : int 1 1 4 2 2 2 2 1 1 3 ...
## $ Tedavi_Tarihi  : chr "2023-02-14" "2023-10-08" "2022-01-19" "2022-03-30" ...
## $ RT_Dozu         : num NA NA 70 74 70 70 76 NA NA NA ...
## $ ADT_Tipi        : num NA NA 1 NA NA NA NA NA NA 2 ...
## $ ADT_Suresi      : num NA NA 12 NA NA NA NA NA NA 12 ...
## $ Patolojik_Evre  : chr "pT2c" "pT2a" "" "" ...
## $ Cerrahi_Sinir   : num 0 1 NA NA NA NA NA 1 1 NA ...
## $ Final_Gleason   : chr "3+5" "4+5" "" "" ...
## $ PSA_Nadir        : num 0.14 0.04 0.3 0.2 0.28 0.81 0.36 0.04 0.04 0.39 ...
## $ PSA_Takip_3ay    : num 0.14 0.04 1.03 0.61 0.9 2.38 1.28 0.04 0.05 1.5 ...
## $ PSA_Takip_6ay    : num 0.17 0.04 0.33 0.63 0.38 1.57 0.94 0.04 0.04 0.82 ...
## $ PSA_Takip_12ay   : num 0.21 0.06 0.38 0.71 0.46 4.47 0.56 0.08 0.04 0.39 ...
## $ BCR_Durum        : chr "True" "False" "False" "False" ...
## $ BCR_Tarihi       : chr "2028-01-11" "" "" ...
## $ Metastaz_Durum   : int 0 0 0 0 0 0 0 0 0 ...
## $ Metastaz_Tarihi  : logi NA NA NA NA NA NA ...
## $ Son_Durum         : int 1 1 0 1 1 1 1 1 1 ...
## $ Son_Takip_Tarihi : chr "2029-05-22" "2029-06-12" "2022-03-05" "2023-11-06" ...
```