# TD rapport automatisé

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## Summary

Faisons un summary de la base de données

#### summary(df)

```
##
          id
                            var1
                                                var2
                                                                      var3
    Min.
           :
              1.00
                      Min.
                              :-2.30917
                                          Min.
                                                  :-2.809775
                                                                Min.
                                                                        :-2.60170
    1st Qu.: 75.75
                      1st Qu.:-0.57588
                                           1st Qu.:-0.603559
                                                                1st Qu.:-0.68215
##
                                          Median: 0.045284
                                                                Median: 0.04387
    Median :150.50
                      Median :-0.04395
##
##
    Mean
            :150.50
                      Mean
                              : 0.03444
                                           Mean
                                                  : 0.009109
                                                                Mean
                                                                        : 0.01661
    3rd Qu.:225.25
                      3rd Qu.: 0.63221
                                           3rd Qu.: 0.688690
                                                                3rd Qu.: 0.71891
##
    Max.
            :300.00
                      Max.
                              : 3.24104
                                           Max.
                                                  : 2.571458
                                                                Max.
                                                                        : 2.69171
##
         var4
                              var5
                                                  var6
                                                                       var7
##
    Min.
            :-2.54934
                                :-2.69533
                                                    :-3.04786
                                                                 Min.
                                                                         :-2.629325
    1st Qu.:-0.68846
                        1st Qu.:-0.68307
                                             1st Qu.:-0.58465
                                                                 1st Qu.:-0.663179
##
    Median :-0.01057
                        Median: 0.07851
                                             Median: 0.02275
                                                                 Median :-0.042117
##
            : 0.02719
                                : 0.01008
                                                    : 0.05186
                                                                         : 0.006548
    Mean
                        Mean
                                             Mean
                                                                 Mean
    3rd Qu.: 0.58599
                        3rd Qu.: 0.68321
                                             3rd Qu.: 0.82510
                                                                 3rd Qu.: 0.744033
##
    Max.
            : 3.18404
                        Max.
                                : 3.39037
                                             Max.
                                                    : 3.29052
                                                                         : 2.816084
                                                                 Max.
##
         var8
                              var9
                                                 var10
                                                                      var11
##
            :-2.84855
                                :-2.63251
                                                    :-2.32925
                                                                         :-2.94987
    Min.
                        Min.
                                             Min.
                                                                 Min.
    1st Qu.:-0.64912
                        1st Qu.:-0.68076
                                             1st Qu.:-0.64591
                                                                 1st Qu.:-0.68484
##
    Median :-0.04735
                        Median: 0.01779
                                             Median :-0.07815
                                                                 Median :-0.13435
           :-0.05457
                                :-0.01566
                                                    : 0.04266
                                                                         :-0.05647
##
    Mean
                        Mean
                                             Mean
                                                                 Mean
    3rd Qu.: 0.56051
                        3rd Qu.: 0.70380
                                             3rd Qu.: 0.72465
                                                                 3rd Qu.: 0.59211
##
                                                    : 3.42110
                                                                         : 2.65374
##
    Max.
            : 3.02210
                        Max.
                                : 2.73521
                                             Max.
                                                                 Max.
##
        var12
                       var13
                                            var14
                                                                var15
##
    Min.
            :0.00
                    Length:300
                                        Length:300
                                                             Length:300
    1st Qu.:1.00
##
                    Class : character
                                        Class : character
                                                             Class : character
##
    Median:2.00
                    Mode : character
                                        Mode :character
                                                             Mode :character
##
    Mean
            :2.23
##
    3rd Qu.:4.00
##
    Max.
            :5.00
##
       Prenom
                             Nom
##
    Length:300
                        Length: 300
##
    Class : character
                        Class : character
##
    Mode :character
                        Mode : character
##
##
##
```