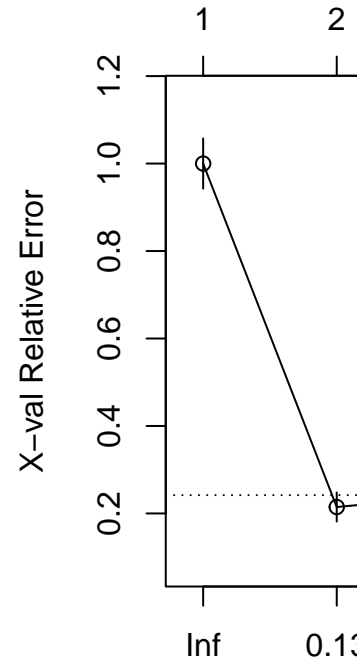
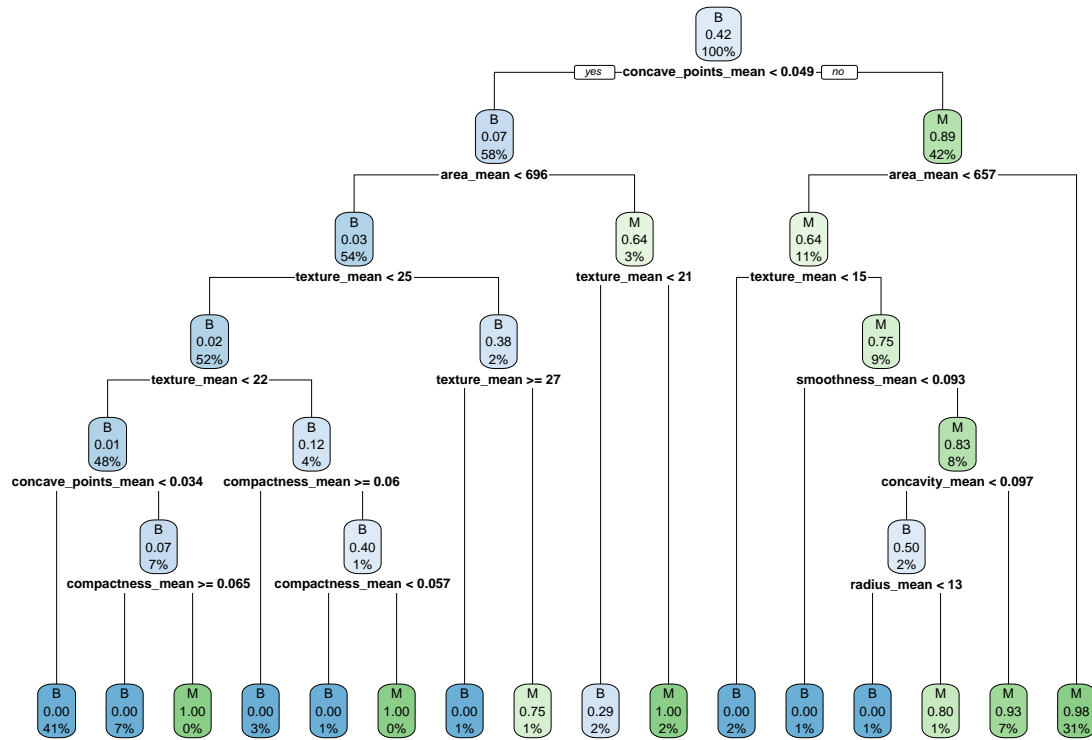


Projet final brouillon 3

2023-04-26

R Markdown

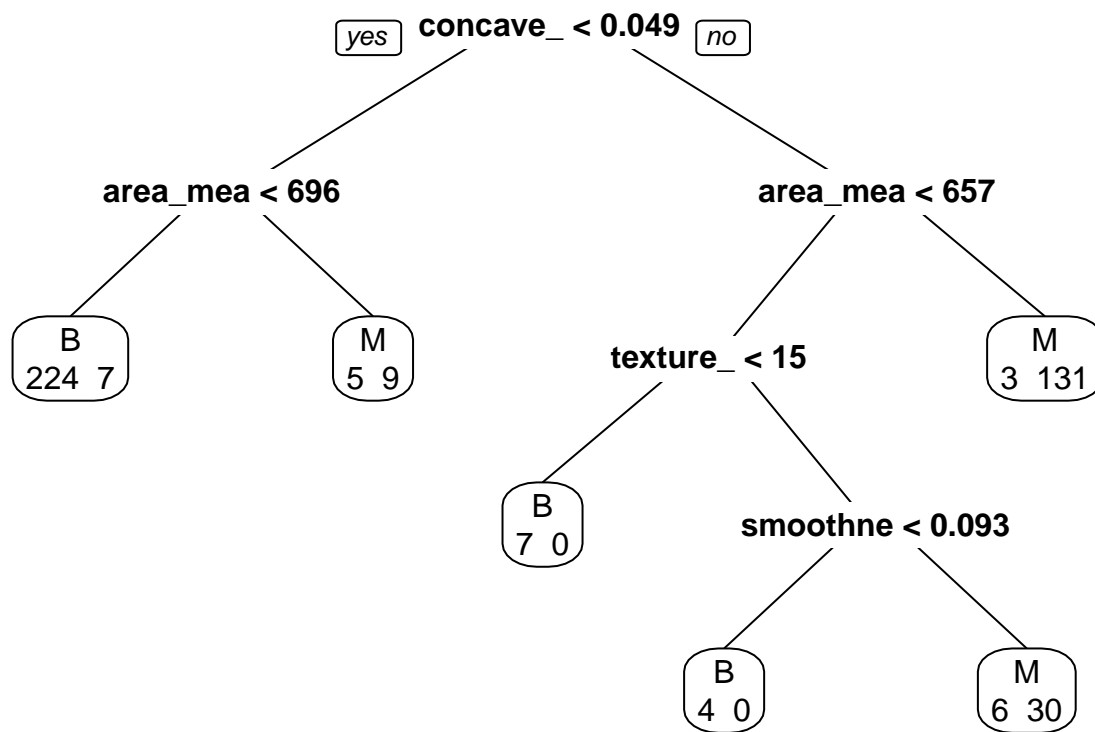
```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.1      v purrr      1.0.1
## v forcats    1.0.0      v stringr   1.5.0
## v ggplot2    3.4.2      v tibble    3.2.1
## v lubridate  1.9.2      v tidyr     1.3.0
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
## Welcome! Want to learn more? See two factoextra-related books at https://goo.gl/ve3WBa
##
## Rows: 569 Columns: 32
## -- Column specification -----
## Delimiter: ","
## chr  (1): Diagnosis
## dbl (31): ID number, radius_mean, texture_mean, perimeter_mean, area_mean, s...
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```



```

##
## Classification tree:
## rpart(formula = Diagnosis ~ ., data = dataset.train, method = "class",
##       control = rpart.control(minsplit = 5, cp = 0))
##
## Variables actually used in tree construction:
## [1] area_mean          compactness_mean    concave_points_mean
## [4] concavity_mean     radius_mean          smoothness_mean
## [7] texture_mean
##
## Root node error: 177/426 = 0.41549
##
## n= 426
##
##      CP nsplit rel error  xerror   xstd
## 1 0.7966102      0 1.000000 1.00000 0.057466
## 2 0.0225989      1 0.203390 0.21469 0.033238
## 3 0.0197740      2 0.180791 0.24294 0.035128
## 4 0.0169492      5 0.118644 0.20904 0.032840
## 5 0.0084746      6 0.101695 0.20904 0.032840
## 6 0.0056497      8 0.084746 0.21469 0.033238
## 7 0.0045198     10 0.073446 0.23164 0.034391
## 8 0.0000000     15 0.050847 0.23729 0.034763
##
## [1] 0.01694915

```



```

## dataset.test_Predict
##      B      M
## B 100      8
## M   0     35
## [1] 0.05594406
## [1] 1

```