Enquête logicielle - Septembre 2015

JcB

07/09/2015

1   7/9/2015

Reprise de l'exploitation des logiciels des SU

- fichier source: DATA/FEDORU - ENQUETE LOGICIEL 2015 - V2 (12 06 15) (3)
- création d'un dossier spécifique **Septembre2015** contenent un sous dossier **data** pour y stocker les résultats régionaux sous forme de fichier .csv.

1.1   Récupération des fichiers csv

- les 5 premières lignes sont éliminées
- élimination du héader => il faudre en créer un

```
path = "./data/" # ./Septembre2015/data/ si console
out.file <- NULL
file.names <- dir(path, pattern =".csv") # seuls les fichiers se terminant par csv sont lus
for(i in 1:length(file.names)){
   file <- read.table(paste(path, file.names[i], sep=""), skip = 5, header = FALSE, sep=",", stringsAsF
   # on ne garde que les 22 premières colonnes
   file <- file[, 1:22]
   # on ne garde que les lignes où les colonnes 1 à 5 ne sont pas vides (http://genometoolbox.blogspot.
   file <- file[complete.cases(file[,1:5]),]
   # remplacement de la virgule écimale par le point décimal (soirce: http://stackoverflow.com/questions
   file <- as.data.frame(sapply(file, gsub, pattern = ",", replacement = "."))

   out.file <- rbind(out.file, file)
 }

n <- c("Region", "Departement", "FINESS", "Hopital", "CP", "Routage","Logiciel_2014","Editeur", "RPU_tra
 names(out.file) <- n

write.table(out.file, file = "archive.csv", sep=",", row.names = FALSE, qmethod = "double", fileEncoding
```
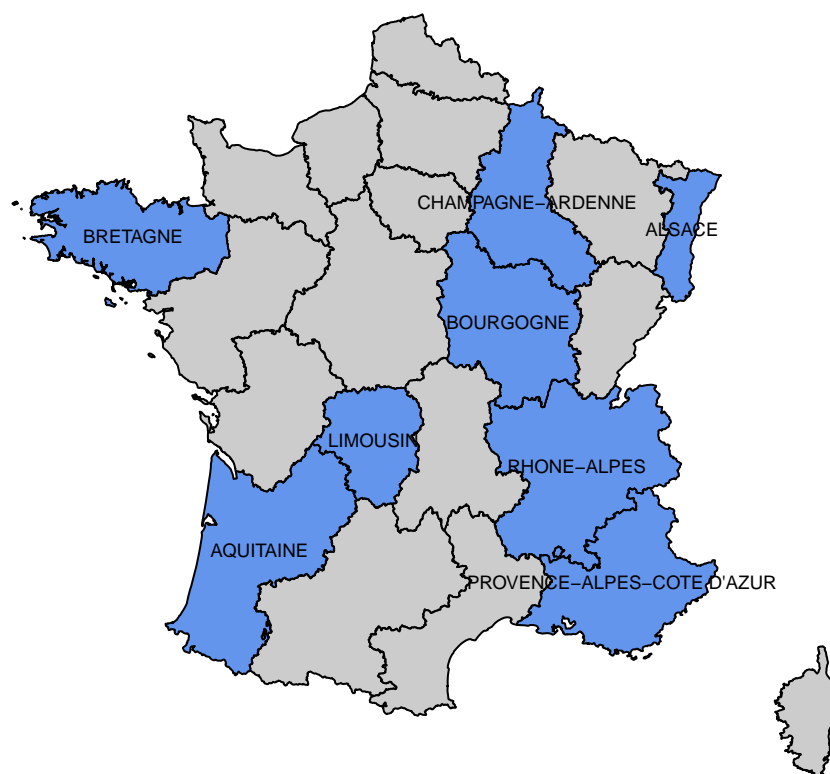
1.2   Récupération du fichier des données

- Nombre de régions participantes: 7
- Nombre de sites: 182

2   Cartographie

Cartographie des régions participantes et des logiciels.

Régions participantes (enquête 2015)

3 Logiciels 2015

- Nombre de logiciels utilisés: 31

3.1 Logiciels par ordre décroissant

TU-ORUPACA	URQUAL	RESURGENCES	DMU
43	24	21	14
DXCARE	SILLAGE DMU	ATALANTE	SIDSU
11	10	9	9
CROSSWAY	POLYMEDIS	DOPA URGENCES	ANTARES
6	5	3	2
HOPITAL MANAGER	ORBIS	SANOCOM	SHAREGATE
2	2	2	2
SIGEMS	AGFA EXAGON	AXIGATE	CLINICOM
2	1	1	1
MANUEL	MEDIBASE	MEDIBOARD	MEDINTUX
1	1	1	1
MEDIS	M-PLUS	NAFAMA	OSOFT
1	1	1	1
QCARE	SPEC 4D	TRACK CARE	
1	1	1	

Logiciels utilisés
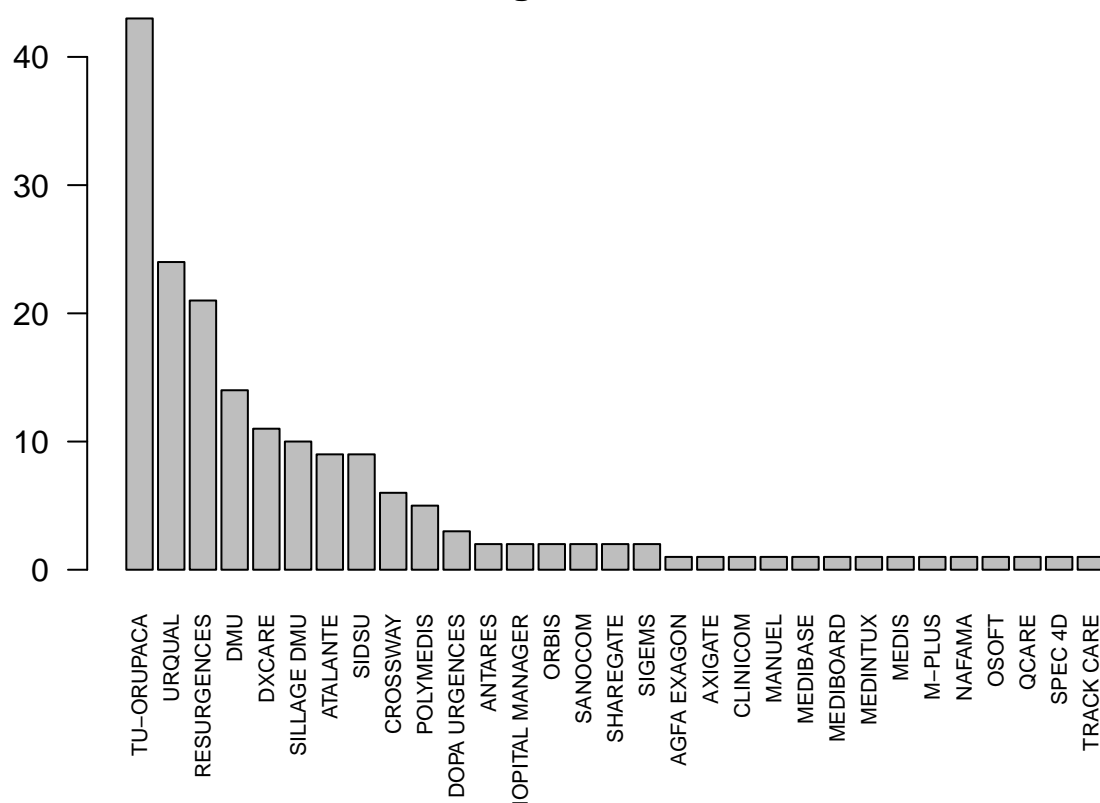
3.2 Logiciels par région

	ALSACE	AQUITAINE	BOURGOGNE	BRETAGNE	CHAMPAGNE ARDENNES
AGFA EXAGON	0	0	1	0	0
ANTARES	2	0	0	0	0
ATALANTE	8	0	1	0	0
AXIGATE	0	1	0	0	0
CLINICOM	1	0	0	0	0
CROSSWAY	0	3	3	0	0
DMU	2	0	7	0	3
DOPA URGENCES	0	1	0	0	2
DXCARE	3	6	1	0	1
HOPITAL MANAGER	0	0	2	0	0
MANUEL	0	0	1	0	0
MEDIBASE	0	1	0	0	0
MEDIBOARD	0	0	0	1	0
MEDINTUX	0	0	0	0	0
MEDIS	0	0	0	1	0
M-PLUS	0	1	0	0	0
NAFAMA	0	0	0	0	1
ORBIS	1	0	0	1	0
OSOFT	0	0	0	1	0
POLYMEDIS	0	0	0	0	5
QCARE	0	0	0	0	0
RESURGENCES	1	1	3	7	1

SANOCOM	0	2	0	0	0
SHAREGATE	0	2	0	0	0
SIDSU	0	9	0	0	0
SIGEMS	0	2	0	0	0
SILLAGE DMU	0	2	0	8	0
SPEC 4D	0	0	0	0	0
TRACK CARE	0	1	0	0	0
TU-ORUPACA	0	0	1	0	0
URQUAL	0	3	3	11	3

	LIMOUSIN	PACA
AGFA EXAGON	0	0
ANTARES	0	0
ATALANTE	0	0
AXIGATE	0	0
CLINICOM	0	0
CROSSWAY	0	0
DMU	0	2
DOPA URGENCES	0	0
DXCARE	0	0
HOPITAL MANAGER	0	0
MANUEL	0	0
MEDIBASE	0	0
MEDIBOARD	0	0
MEDINTUX	0	1
MEDIS	0	0
M-PLUS	0	0
NAFAMA	0	0
ORBIS	0	0
OSOFT	0	0
POLYMEDIS	0	0
QCARE	0	1
RESURGENCES	6	2
SANOCOM	0	0
SHAREGATE	0	0
SIDSU	0	0
SIGEMS	0	0
SILLAGE DMU	0	0
SPEC 4D	1	0
TRACK CARE	0	0
TU-ORUPACA	0	42
URQUAL	2	2

Nombre de logiciels différents par région

ALSACE	AQUITAINE	BOURGOGNE
7	14	10
BRETAGNE	CHAMPAGNE ARDENNES	LIMOUSIN
7	7	3
PACA		
6		

3.3 Cartographie des logiciels
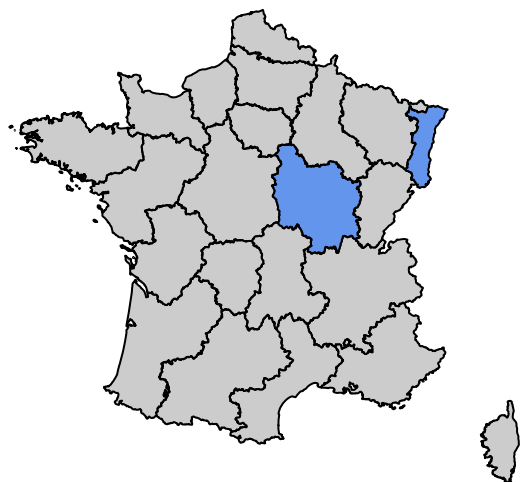
ATALANTE   **DMU**
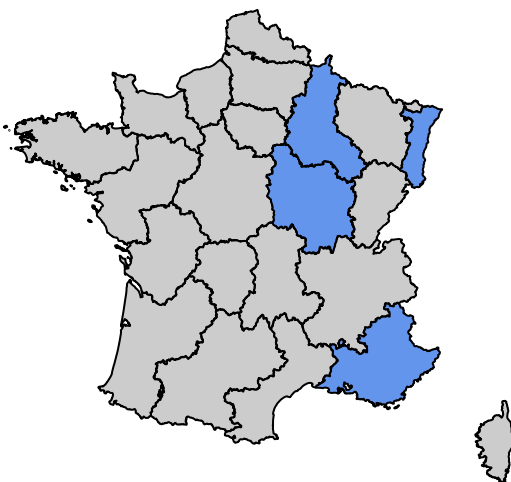
3.4 Un logiciel est présent dans combien de régions ?

Diffusion régionale des logiciels
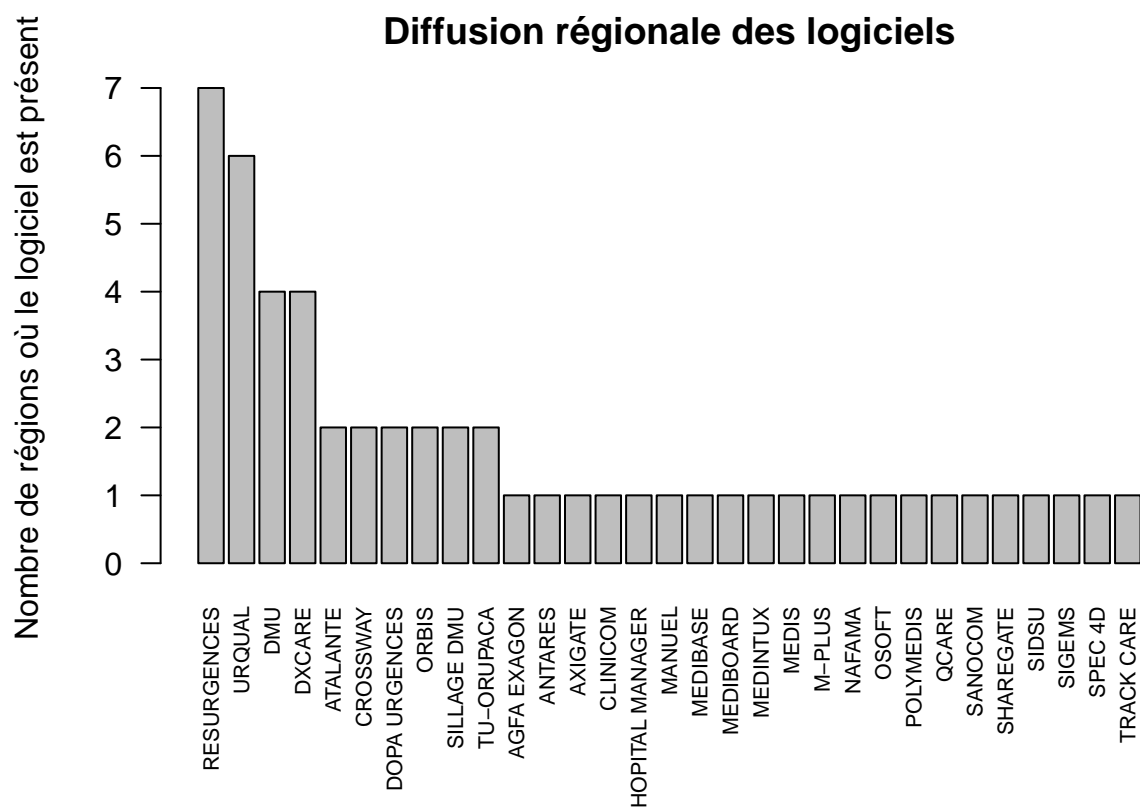
4 Analyse des RPU

Nombre de RPU produits: 1239246

4.1 Nombre de RPU par logiciel

```
                Nb de RPU
TU-ORUPACA         357014
URQUAL             243561
RESURGENCES        167160
DXCARE              84584
DMU                 80896
ATALANTE            44712
SIDSU               44401
SILLAGE DMU         44320
CROSSWAY            23376
POLYMEDIS           20363
TRACK CARE          11345
DOPA URGENCES       10420
M-PLUS               9970
ANTARES              8974
SHAREGATE            8639
SANOCOM              7150
MEDIBOARD            7080
CLINICOM             7023
SPEC 4D              7015
MEDIS                6974
MEDINTUX             6224
ORBIS                6204
NAFAMA               5156
QCARE                5131
AXIGATE              4282
OSOFT                3404
SIGEMS               3266
MEDIBASE             2913
HOPITAL MANAGER      2644
AGFA EXAGON          2541
MANUEL               2504
```

4.2 Nombre de jours manquants

```
                Nb de jours manquants
URQUAL                            111
TU-ORUPACA                         90
CROSSWAY                           63
SILLAGE DMU                        42
ORBIS                              30
RESURGENCES                         5
CLINICOM                            4
HOPITAL MANAGER                     3
ATALANTE                            2
DMU                                 2
```

```
ANTARES                      1
AGFA EXAGON                  0
AXIGATE                      0
DOPA URGENCES                0
DXCARE                       0
MANUEL                       0
MEDIBASE                     0
MEDIBOARD                    0
MEDINTUX                     0
MEDIS                        0
M-PLUS                       0
NAFAMA                       0
OSOFT                        0
POLYMEDIS                    0
QCARE                        0
SANOCOM                      0
SHAREGATE                    0
SIDSU                        0
SIGEMS                       0
SPEC 4D                      0
TRACK CARE                   0
```

5   Indicateurs

5.1   Date de naissance

- taux de conformité:

```
 Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.00  100.00  100.00   99.44  100.00  100.00       2
```

- conformité par outil

```
                   Min    Max   moyenne  ecart-type Nb
AGFA EXAGON     100.00 100.00 100.00000          NA  1
ANTARES         100.00 100.00 100.00000  0.00000000  2
ATALANTE        100.00 100.00 100.00000  0.00000000  9
AXIGATE         100.00 100.00 100.00000          NA  1
CLINICOM        100.00 100.00 100.00000          NA  1
CROSSWAY        100.00 100.00 100.00000  0.00000000  6
DMU             100.00 100.00 100.00000  0.00000000 14
DOPA URGENCES   100.00 100.00 100.00000  0.00000000  3
DXCARE          100.00 100.00 100.00000  0.00000000 11
HOPITAL MANAGER 100.00 100.00 100.00000  0.00000000  2
MANUEL          100.00 100.00 100.00000          NA  1
MEDIBASE        100.00 100.00 100.00000          NA  1
MEDIBOARD       100.00 100.00 100.00000          NA  1
MEDINTUX         99.92  99.92  99.92000          NA  1
MEDIS           100.00 100.00 100.00000          NA  1
M-PLUS          100.00 100.00 100.00000          NA  1
NAFAMA           99.80  99.80  99.80000          NA  1
ORBIS           100.00 100.00 100.00000  0.00000000  2
```

```
OSOFT              100.00 100.00 100.00000          NA  1
POLYMEDIS          100.00 100.00 100.00000  0.00000000  5
QCARE               99.98  99.98  99.98000          NA  1
RESURGENCES         99.95 100.00  99.99714  0.01101946 21
SANOCOM            100.00 100.00 100.00000  0.00000000  2
SHAREGATE          100.00 100.00 100.00000  0.00000000  2
SIDSU              100.00 100.00 100.00000  0.00000000  9
SIGEMS             100.00 100.00 100.00000          NA  2
SILLAGE DMU        100.00 100.00 100.00000  0.00000000 10
SPEC 4D            100.00 100.00 100.00000          NA  1
TRACK CARE         100.00 100.00 100.00000          NA  1
TU-ORUPACA           0.00 100.00  97.67442 15.24985703 43
URQUAL              99.80 100.00  99.98958  0.04101741 24
```

Date de naissance
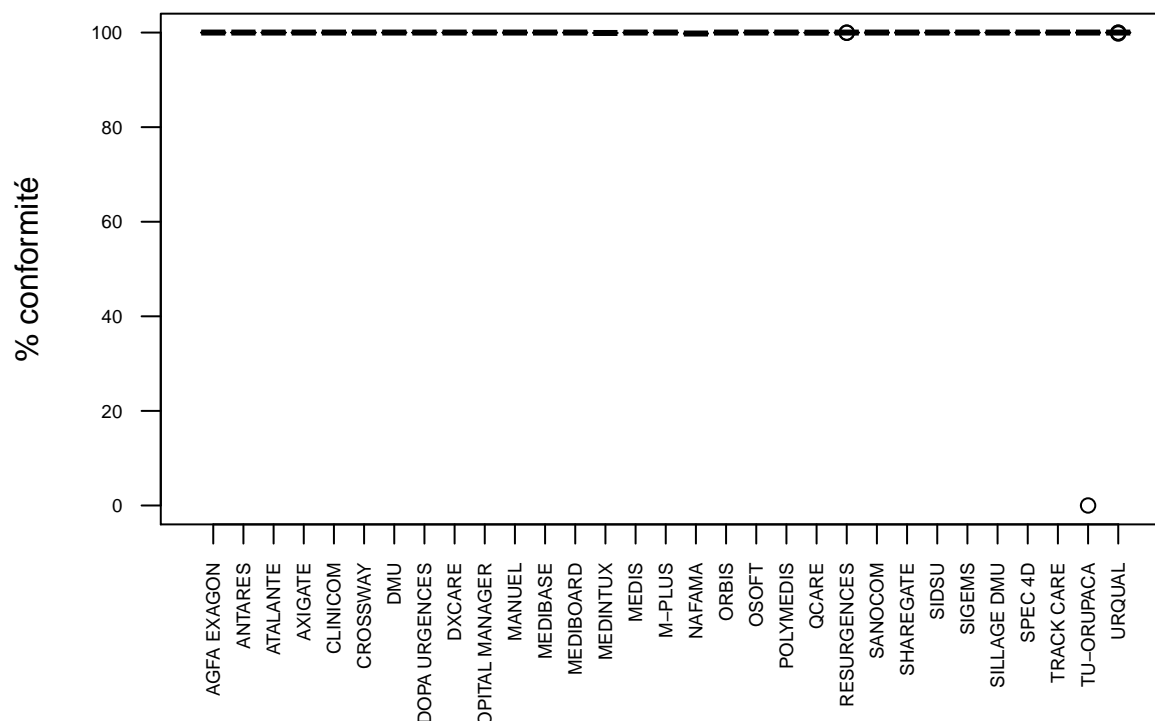
- taux d'exhaustivité:

```
 Min. 1st Qu.  Median    Mean 3rd Qu.    Max.     NA's
 0.00  100.00  100.00   99.44  100.00  100.00        2
```
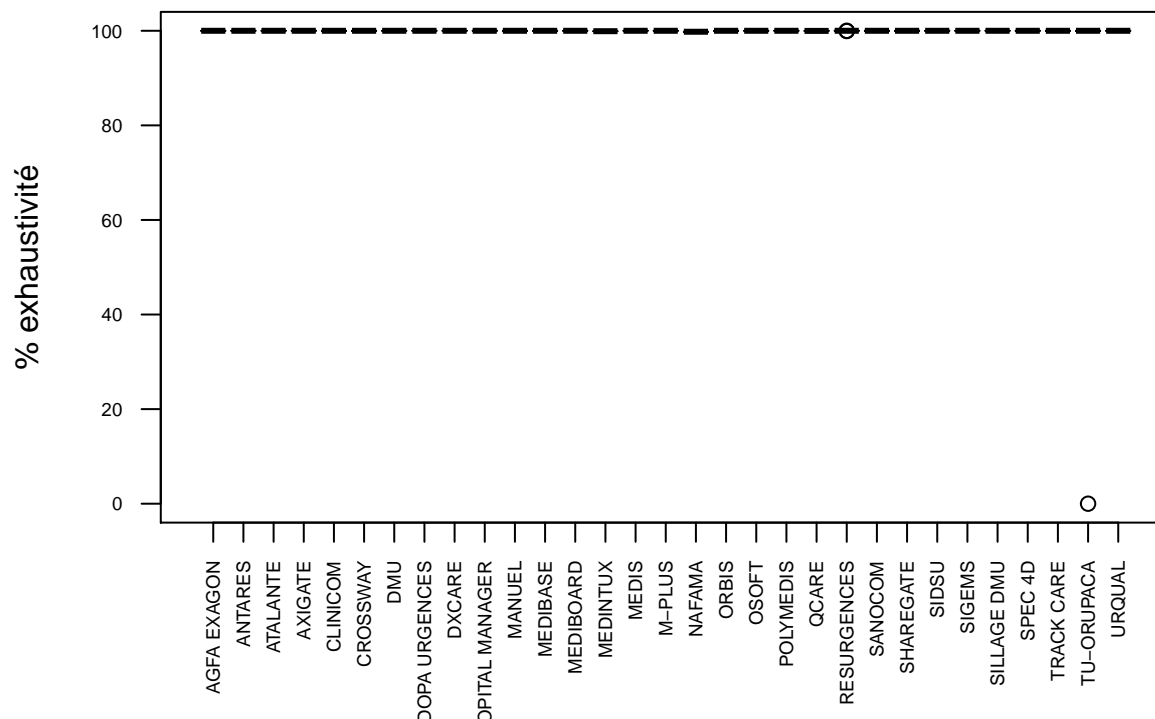
- exhaustivité par outil

```
                Min    Max   moyenne  ecart-type Nb
AGFA EXAGON    100.00 100.00 100.00000         NA  1
ANTARES        100.00 100.00 100.00000 0.00000000  2
ATALANTE       100.00 100.00 100.00000 0.00000000  9
AXIGATE        100.00 100.00 100.00000         NA  1
CLINICOM       100.00 100.00 100.00000         NA  1
```

```
CROSSWAY          100.00 100.00 100.00000  0.00000000  6
DMU               100.00 100.00 100.00000  0.00000000 14
DOPA URGENCES     100.00 100.00 100.00000  0.00000000  3
DXCARE            100.00 100.00 100.00000  0.00000000 11
HOPITAL MANAGER   100.00 100.00 100.00000  0.00000000  2
MANUEL            100.00 100.00 100.00000          NA  1
MEDIBASE          100.00 100.00 100.00000          NA  1
MEDIBOARD         100.00 100.00 100.00000          NA  1
MEDINTUX           99.92  99.92  99.92000          NA  1
MEDIS             100.00 100.00 100.00000          NA  1
M-PLUS            100.00 100.00 100.00000          NA  1
NAFAMA             99.80  99.80  99.80000          NA  1
ORBIS             100.00 100.00 100.00000  0.00000000  2
OSOFT             100.00 100.00 100.00000          NA  1
POLYMEDIS         100.00 100.00 100.00000  0.00000000  5
QCARE              99.98  99.98  99.98000          NA  1
RESURGENCES        99.95 100.00  99.99714  0.01101946 21
SANOCOM           100.00 100.00 100.00000  0.00000000  2
SHAREGATE         100.00 100.00 100.00000  0.00000000  2
SIDSU             100.00 100.00 100.00000  0.00000000  9
SIGEMS            100.00 100.00 100.00000          NA  2
SILLAGE DMU       100.00 100.00 100.00000  0.00000000 10
SPEC 4D           100.00 100.00 100.00000          NA  1
TRACK CARE        100.00 100.00 100.00000          NA  1
TU-ORUPACA          0.00 100.00  97.67442 15.24985703 43
URQUAL            100.00 100.00 100.00000  0.00000000 24
```

## Mode de sortie

5.2 Diagnostic (DP)

- taux de conformité:

```
 Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.00   52.24   93.80   71.48   98.32  100.00       3
```

- conformité par outil

```
                  Min    Max  moyenne  ecart-type Nb
AGFA EXAGON     12.00  12.00 12.00000          NA  1
ANTARES         45.84  90.51 68.17500 31.58645992  2
ATALANTE         0.00  98.95 38.23222 35.61581102  9
AXIGATE          0.00   0.00  0.00000          NA  1
CLINICOM        96.14  96.14 96.14000          NA  1
CROSSWAY         0.00  94.30 24.66000 40.73362248  6
DMU             56.80 100.00 91.39615 13.10928649 14
DOPA URGENCES    0.00  62.90 20.96667 36.31533193  3
DXCARE           0.00  98.90 55.91636 32.18636086 11
HOPITAL MANAGER 95.00 100.00 97.50000  3.53553391  2
MANUEL          98.00  98.00 98.00000          NA  1
MEDIBASE        96.40  96.40 96.40000          NA  1
MEDIBOARD       43.20  43.20 43.20000          NA  1
MEDINTUX        92.15  92.15 92.15000          NA  1
MEDIS           19.70  19.70 19.70000          NA  1
M-PLUS          83.50  83.50 83.50000          NA  1
NAFAMA          98.50  98.50 98.50000          NA  1
ORBIS            0.00   0.00  0.00000  0.00000000  2
OSOFT           98.60  98.60 98.60000          NA  1
POLYMEDIS       97.40  99.70 98.50000  1.04403065  5
QCARE            0.00   0.00  0.00000          NA  1
RESURGENCES     76.00 100.00 95.90000  5.72101477 21
SANOCOM         76.70  83.30 80.00000  4.66690476  2
SHAREGATE        0.00   0.10  0.05000  0.07071068  2
SIDSU           27.30  99.80 87.05556 22.82515669  9
SIGEMS           8.40   8.40  8.40000          NA  2
SILLAGE DMU      0.00  95.00 46.79000 43.62913018 10
SPEC 4D         85.57  85.57 85.57000          NA  1
TRACK CARE      96.30  96.30 96.30000          NA  1
TU-ORUPACA       0.00  99.29 92.60605 15.96497910 43
URQUAL           0.00 100.00 51.27750 44.46701525 24
```

Diagnostic principal
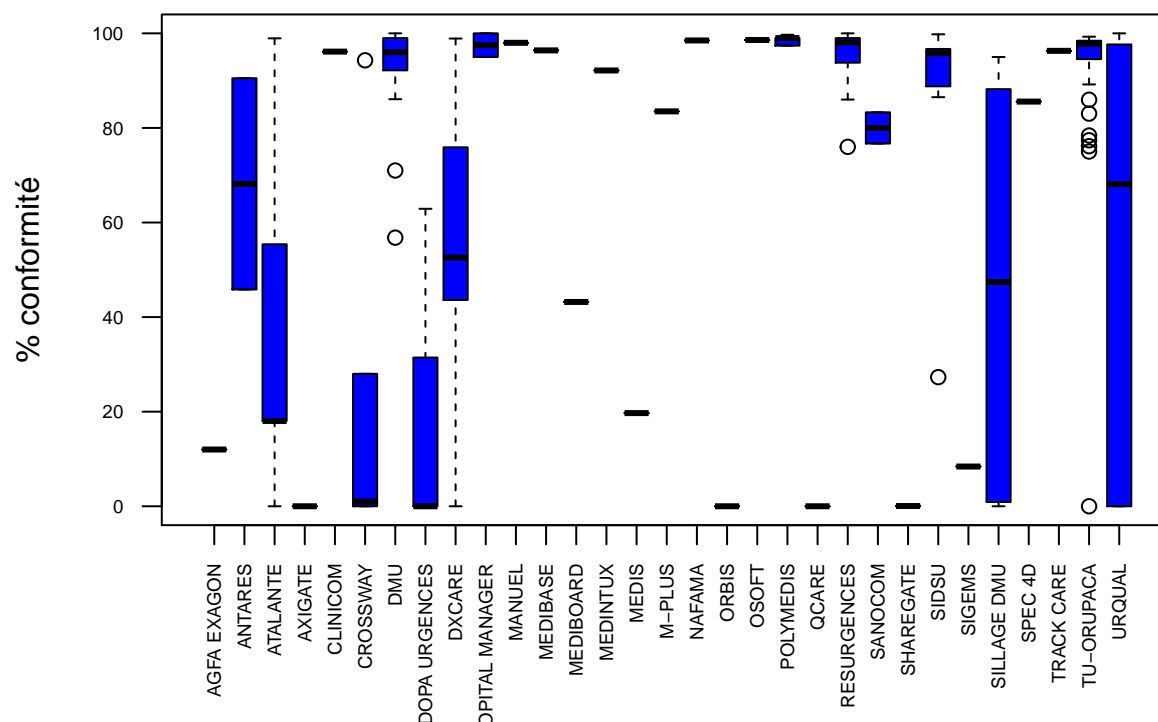
- taux de exhaustivité:

```
 Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.00   53.30   94.03   72.63   98.43  100.00       3
```

- exhaustivité par outil

	Min	Max	moyenne	ecart-type	Nb
AGFA EXAGON	12.00	12.00	12.00000	NA	1
ANTARES	45.84	90.51	68.17500	31.58645992	2
ATALANTE	0.00	98.95	38.23222	35.61581102	9
AXIGATE	0.00	0.00	0.00000	NA	1
CLINICOM	96.14	96.14	96.14000	NA	1
CROSSWAY	0.00	94.40	24.68000	40.77636570	6
DMU	56.90	100.00	91.40923	13.08995446	14
DOPA URGENCES	0.00	62.90	20.96667	36.31533193	3
DXCARE	0.00	98.90	55.91636	32.18636086	11
HOPITAL MANAGER	95.00	100.00	97.50000	3.53553391	2
MANUEL	99.00	99.00	99.00000	NA	1
MEDIBASE	96.40	96.40	96.40000	NA	1
MEDIBOARD	43.20	43.20	43.20000	NA	1
MEDINTUX	100.00	100.00	100.00000	NA	1
MEDIS	19.70	19.70	19.70000	NA	1
M-PLUS	83.50	83.50	83.50000	NA	1
NAFAMA	99.80	99.80	99.80000	NA	1
ORBIS	0.00	0.00	0.00000	0.00000000	2
OSOFT	98.60	98.60	98.60000	NA	1

```
POLYMEDIS        97.40  99.70  98.74000  0.84734881   5
QCARE             0.00   0.00   0.00000          NA   1
RESURGENCES      76.00 100.00  96.17619  5.35447801  21
SANOCOM          76.70  83.30  80.00000  4.66690476   2
SHAREGATE         0.00   0.10   0.05000  0.07071068   2
SIDSU            27.30  99.80  87.05556 22.82515669   9
SIGEMS            8.40   8.40   8.40000          NA   2
SILLAGE DMU       0.00  95.00  46.79000 43.62913018  10
SPEC 4D          85.57  85.57  85.57000          NA   1
TRACK CARE       96.30  96.30  96.30000          NA   1
TU-ORUPACA        0.00  99.29  92.61837 15.96750434  43
URQUAL            0.00 100.00  59.07167 42.92287387  24
```

Diagnostic principal
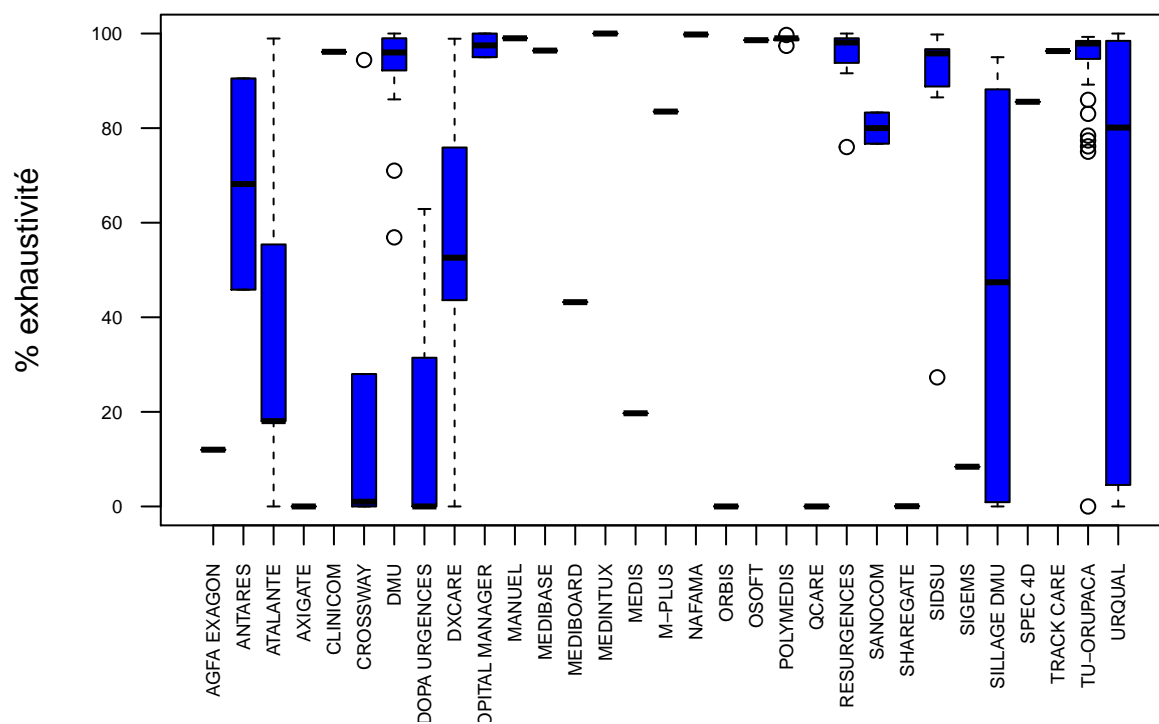
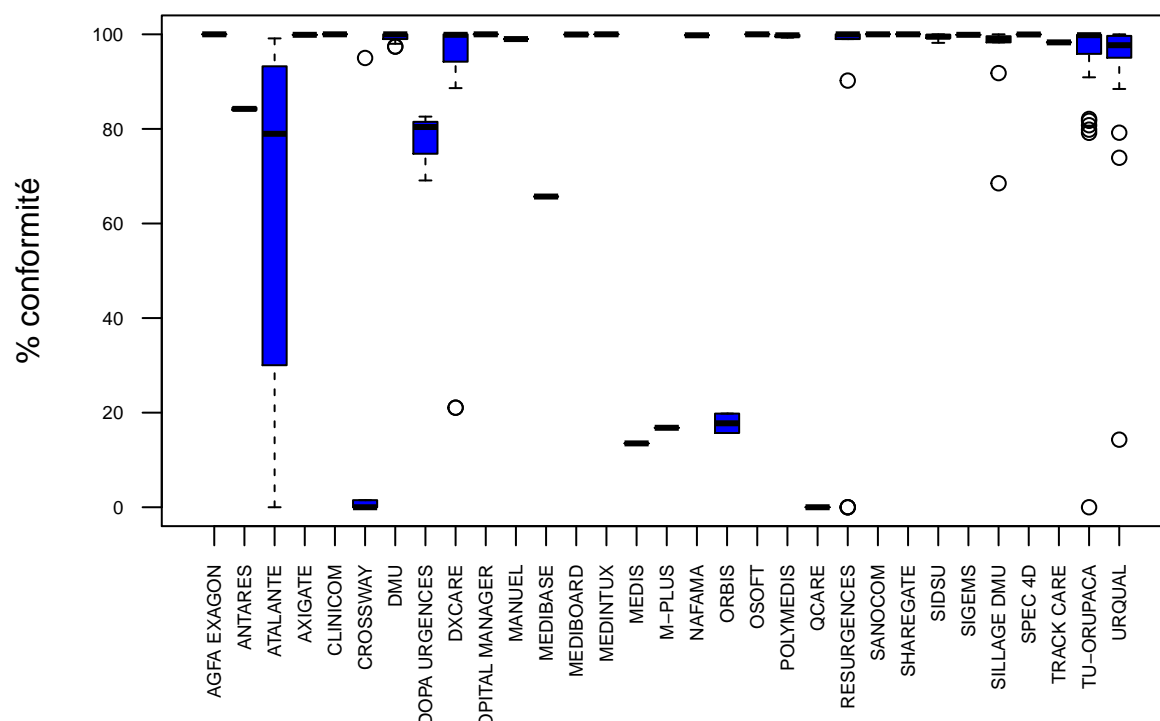## 5.3   Mode de sortie (MS)

- taux de conformité:

```
 Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.00   94.65   99.59   87.12  100.00  100.00       2
```

- conformité par outil

```
              Min    Max   moyenne ecart-type Nb
AGFA EXAGON  100.00 100.00 100.00000        NA  1
ANTARES       83.99  84.48  84.23500 0.3464823  2
ATALANTE       0.00  99.14  59.77889 37.0790394  9
```

```
AXIGATE           99.90  99.90  99.90000        NA  1
CLINICOM         100.00 100.00 100.00000        NA  1
CROSSWAY           0.00  95.00  19.30000 42.3225708  6
DMU               97.41 100.00  99.39071  1.0119096 14
DOPA URGENCES     69.10  82.60  77.36667  7.2431577  3
DXCARE            21.05 100.00  84.57545 31.5886994 11
HOPITAL MANAGER  100.00 100.00 100.00000  0.0000000  2
MANUEL            99.00  99.00  99.00000        NA  1
MEDIBASE          65.70  65.70  65.70000        NA  1
MEDIBOARD         99.96  99.96  99.96000        NA  1
MEDINTUX         100.00 100.00 100.00000        NA  1
MEDIS             13.50  13.50  13.50000        NA  1
M-PLUS            16.80  16.80  16.80000        NA  1
NAFAMA            99.80  99.80  99.80000        NA  1
ORBIS             15.70  19.80  17.75000  2.8991378  2
OSOFT            100.00 100.00 100.00000        NA  1
POLYMEDIS         99.30  99.90  99.68000  0.2683282  5
QCARE              0.00   0.00   0.00000        NA  1
RESURGENCES        0.00 100.00  85.14286 35.6807092 21
SANOCOM          100.00 100.00 100.00000  0.0000000  2
SHAREGATE        100.00 100.00 100.00000  0.0000000  2
SIDSU             98.20 100.00  99.45556  0.5659309  9
SIGEMS            99.90  99.90  99.90000        NA  2
SILLAGE DMU       68.50 100.00  95.38000  9.7412981 10
SPEC 4D           99.97  99.97  99.97000        NA  1
TRACK CARE        98.30  98.30  98.30000        NA  1
TU-ORUPACA         0.00 100.00  94.40977 15.9900007 43
URQUAL            14.29 100.00  92.29042 17.8575816 24
```
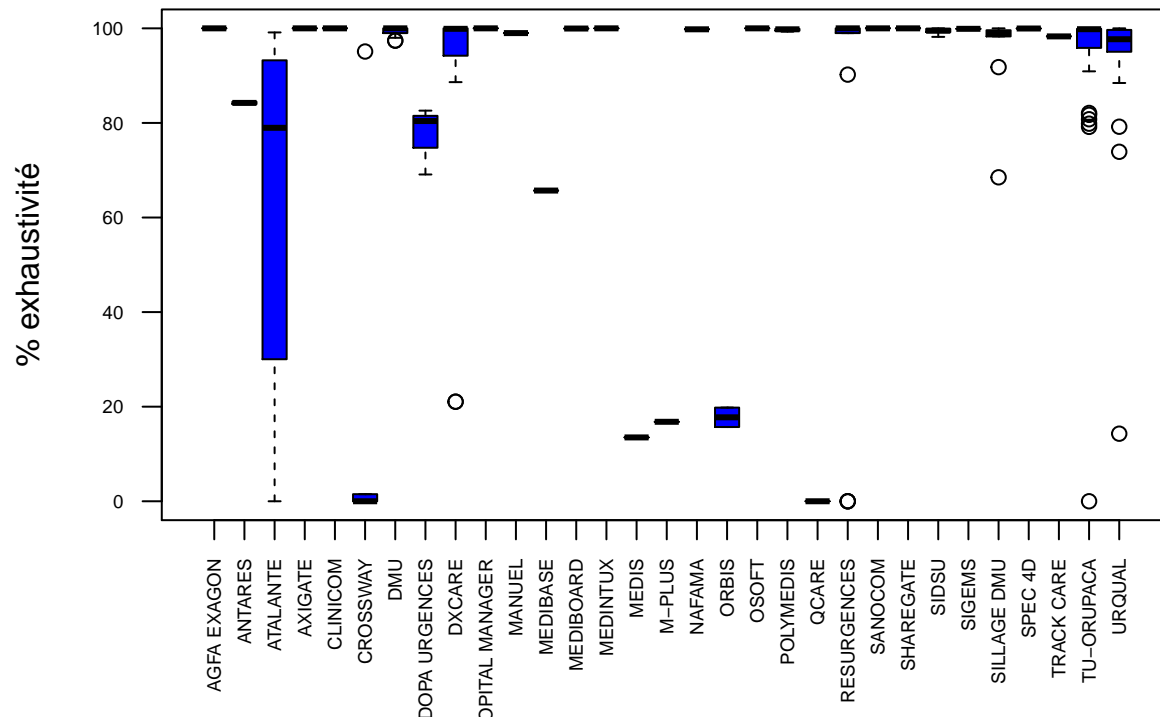
Mode de sortie

- taux de exhaustivité:

```
 Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
 0.00   94.65   99.59   87.12  100.00  100.00       2
```

- exhaustivité par outil

```
                   Min    Max   moyenne ecart-type Nb
AGFA EXAGON     100.00 100.00 100.00000         NA  1
ANTARES          83.99  84.48  84.23500  0.3464823  2
ATALANTE          0.00  99.14  59.77889 37.0790394  9
AXIGATE         100.00 100.00 100.00000         NA  1
CLINICOM        100.00 100.00 100.00000         NA  1
CROSSWAY          0.00  95.10  19.32000 42.3672869  6
DMU              97.41 100.00  99.39071  1.0119096 14
DOPA URGENCES    69.10  82.60  77.36667  7.2431577  3
DXCARE           21.05 100.00  84.57545 31.5886994 11
HOPITAL MANAGER 100.00 100.00 100.00000  0.0000000  2
MANUEL           99.00  99.00  99.00000         NA  1
MEDIBASE         65.70  65.70  65.70000         NA  1
MEDIBOARD        99.96  99.96  99.96000         NA  1
MEDINTUX        100.00 100.00 100.00000         NA  1
MEDIS            13.50  13.50  13.50000         NA  1
M-PLUS           16.80  16.80  16.80000         NA  1
NAFAMA           99.80  99.80  99.80000         NA  1
ORBIS            15.70  19.80  17.75000  2.8991378  2
OSOFT           100.00 100.00 100.00000         NA  1
POLYMEDIS        99.30  99.90  99.68000  0.2683282  5
QCARE             0.00   0.00   0.00000         NA  1
RESURGENCES       0.00 100.00  85.14286 35.6807092 21
SANOCOM         100.00 100.00 100.00000  0.0000000  2
SHAREGATE       100.00 100.00 100.00000  0.0000000  2
SIDSU            98.20 100.00  99.45556  0.5659309  9
SIGEMS           99.90  99.90  99.90000         NA  2
SILLAGE DMU      68.50 100.00  95.38000  9.7412981 10
SPEC 4D          99.97  99.97  99.97000         NA  1
TRACK CARE       98.30  98.30  98.30000         NA  1
TU-ORUPACA        0.00 100.00  94.40977 15.9900007 43
URQUAL           14.29 100.00  92.29042 17.8575816 24
```

Mode de sortie

6 Conformité par région

6.1 Date de naissance

	Min	Max	moyenne	ecart-type	Nb
ALSACE	100.00	100	100.00000	0.00000000	18
AQUITAINE	100.00	100	100.00000	0.00000000	35
BOURGOGNE	100.00	100	100.00000	0.00000000	23
BRETAGNE	99.80	100	99.99167	0.03677362	30
CHAMPAGNE ARDENNES	99.80	100	99.98750	0.05000000	16
LIMOUSIN	99.95	100	99.99333	0.01658312	9
PACA	0.00	100	97.99800	14.14185177	50

Date de naissance
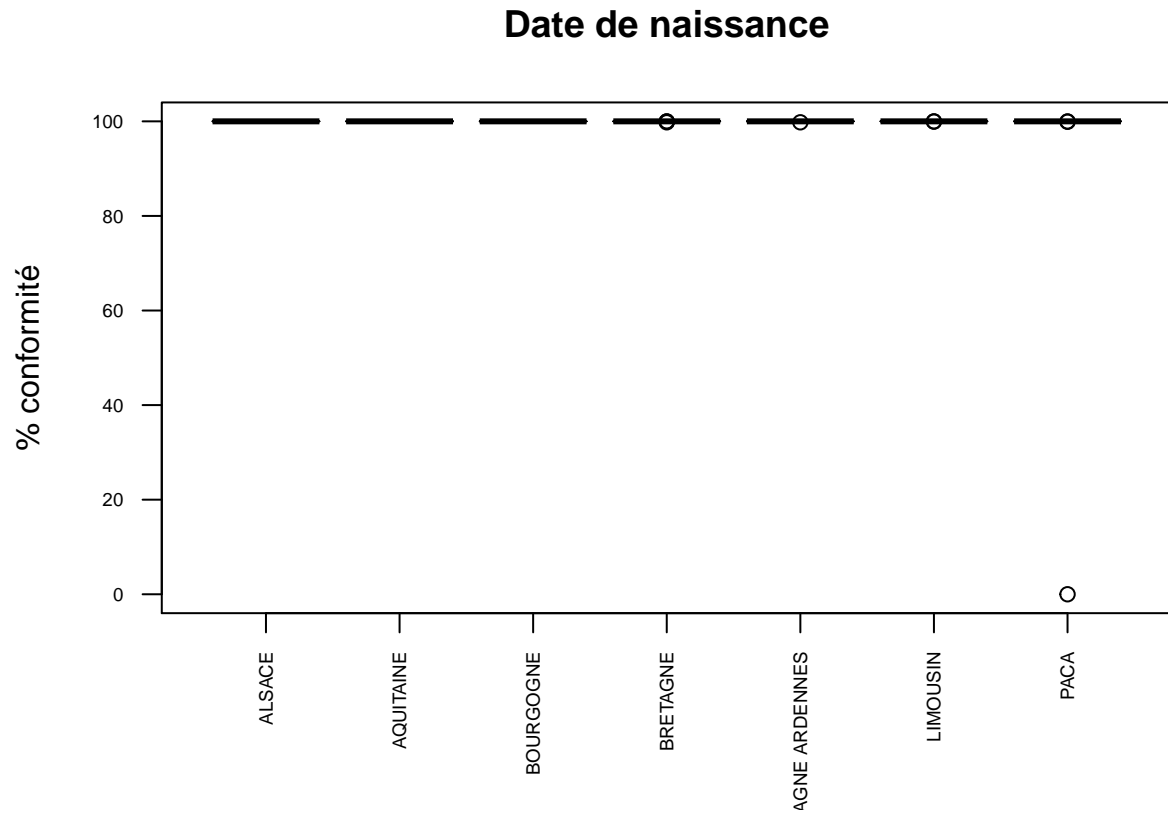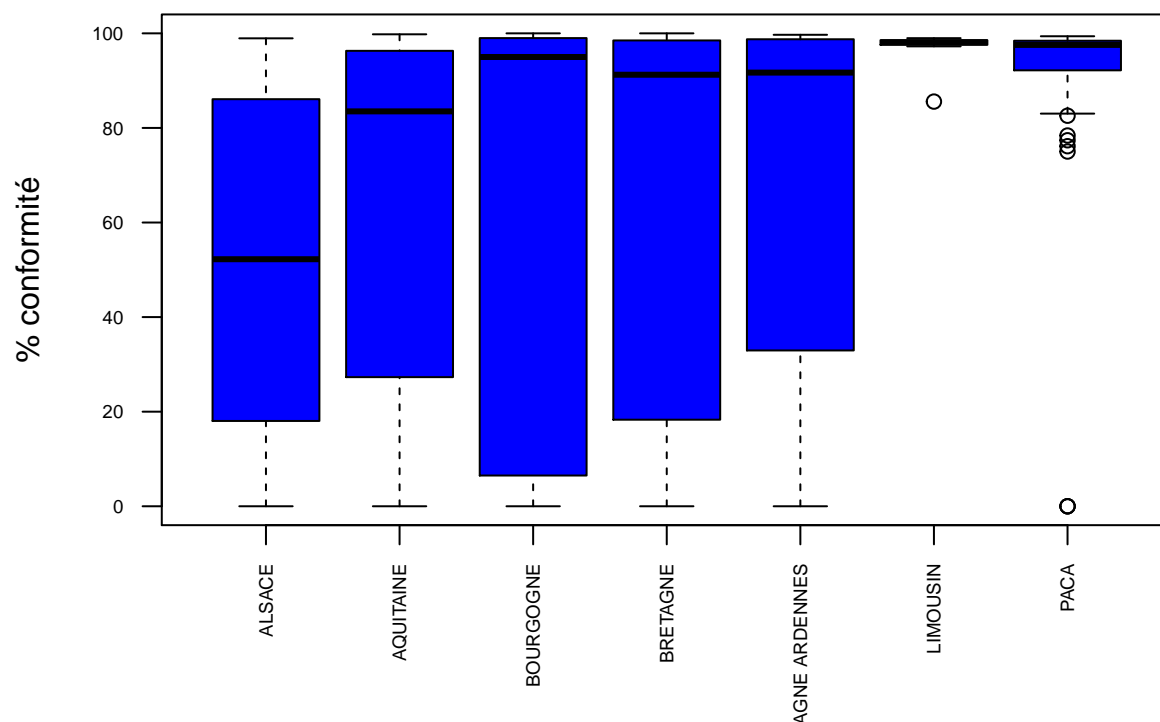

6.2 Diagnostic (DP)

```
                    Min    Max  moyenne  ecart-type Nb
ALSACE              0.00  98.95 50.13176  34.316355 18
AQUITAINE           0.00  99.80 63.42121  39.782563 35
BOURGOGNE           0.00 100.00 63.86957  44.685064 23
BRETAGNE            0.00 100.00 63.90567  40.977779 30
CHAMPAGNE ARDENNES  0.00  99.70 67.61875  41.100790 16
LIMOUSIN           85.57  98.98 96.81667   4.256727  9
PACA                0.00  99.39 88.78780  23.584018 50
```

Diagnostic principal

6.3   Mode de sortie (MS)

	Min	Max	moyenne	ecart-type	Nb
ALSACE	15.70	100	68.77500	32.8245757	18
AQUITAINE	0.00	100	89.24242	27.5958220	35
BOURGOGNE	0.00	100	82.04348	38.5091232	23
BRETAGNE	13.50	100	91.54533	21.6244593	30
CHAMPAGNE ARDENNES	69.10	100	94.84375	9.6193533	16
LIMOUSIN	99.39	100	99.88667	0.2200568	9
PACA	0.00	100	87.24620	29.0773015	50

Mode de sortie