

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** contenant 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 header => il faut 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=";", stringsAsFactors = FALSE)
  # 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.fr)
  file <- file[complete.cases(file[,1:5]),]
  # remplacement de la virgule décimale par le point décimal (source: http://stackoverflow.com/questions/10828251)
  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_tr")
names(out.file) <- n
```

```
write.table(out.file, file = "archive.csv", sep=";", row.names = FALSE, qmethod = "double", fileEncoding = "UTF-8")
```

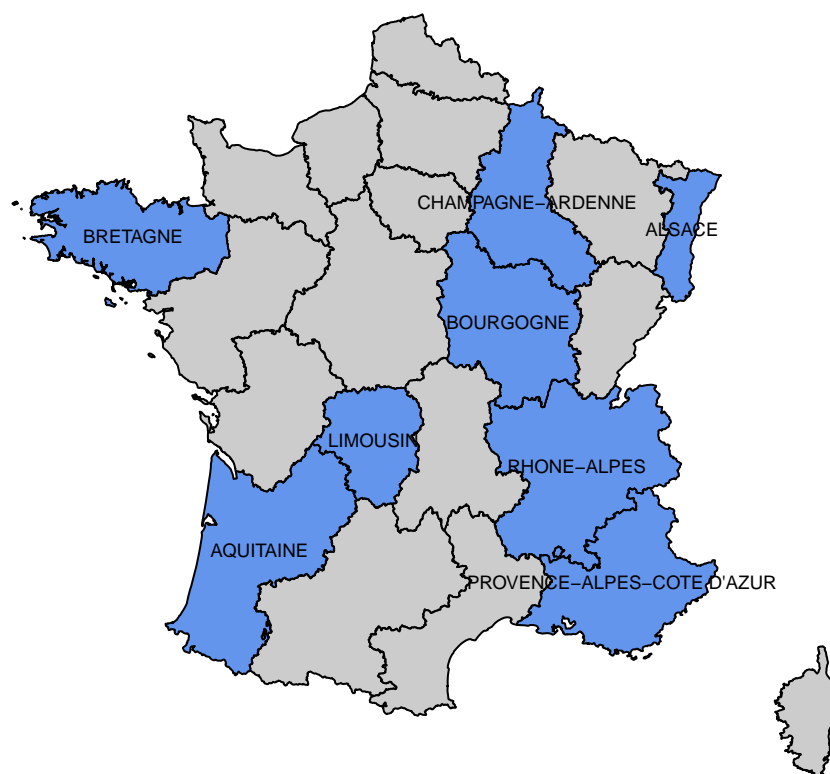
1.2 Récupération du fichier des données

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

2 Cartographie

Cartographie des régions participantes et des logiciels.

Régions participantes (enquête 2015)



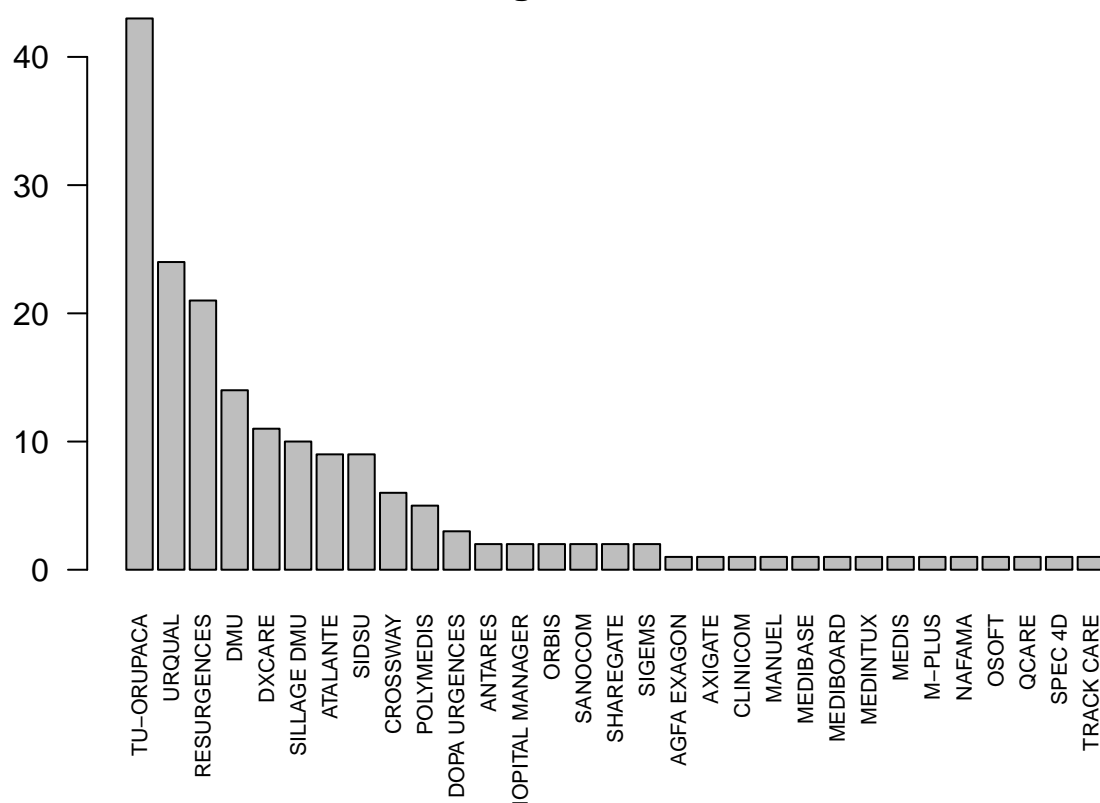
3 Logiciels 2015

- 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

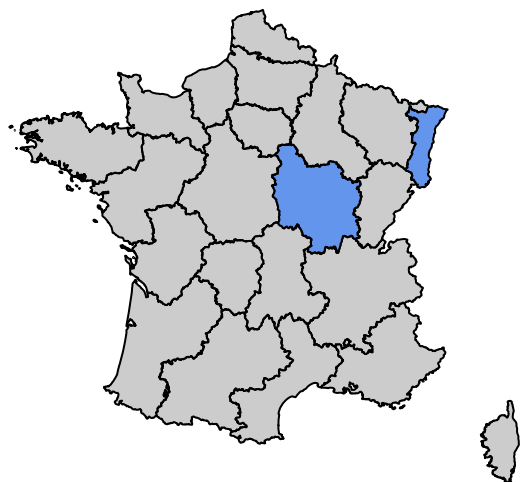
	LIMOUSIN	PACA
AGFA EXAGON	0	0
ANTARES	0	0
ATALANTE	0	0
AXIGATE	0	0
CLINICOM	0	0
CROSSWAY	0	0
DMU	0	2
DOPA URGENCES	0	0
DXCARE	0	0
HOPITAL MANAGER	0	0
MANUEL	0	0
MEDIBASE	0	0
MEDIBOARD	0	0
MEDINTUX	0	1
MEDIS	0	0
M-PLUS	0	0
NAFAMA	0	0
ORBIS	0	0
OSOFT	0	0
POLYMEDIS	0	0
QCARE	0	1
RESURGENCES	6	2
SANOCOM	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

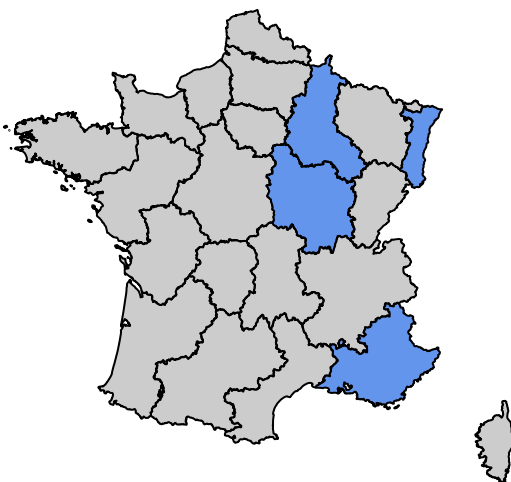
ALSACE	AQUITAINE	BOURGOGNE
7	14	10
BRETAGNE	CHAMPAGNE ARDENNES	LIMOUSIN
7	7	3
PACA		
6		

3.3 Cartographie des logiciels

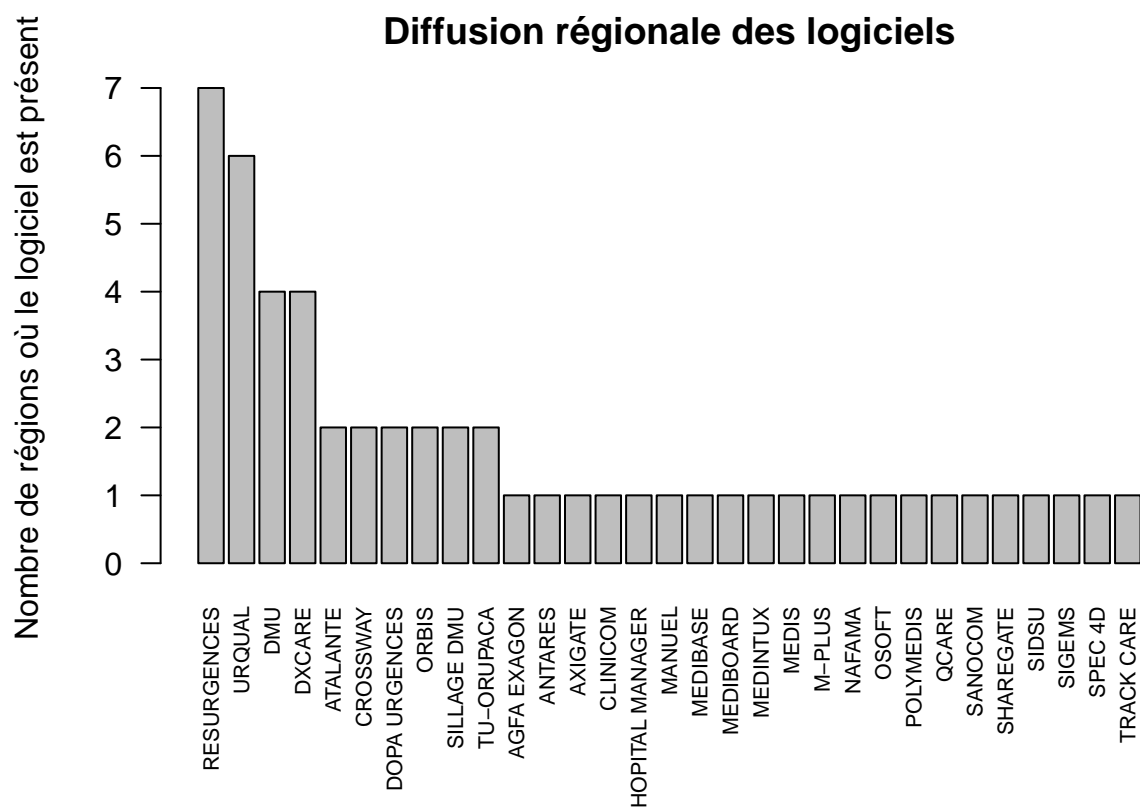
ATALANTE



DMU



3.4 Un logiciel est présent dans combien de régions ?



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

4.2.1 Par logiciel

	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

4.2.2 Par région

	Nb de jours manquants
PACA	180
AQUITAINE	63
BRETAGNE	52
ALSACE	34
BOURGOGNE	21
CHAMPAGNE ARDENNES	3
LIMOUSIN	0

5 Indicateurs

5.1 Date de naissance

- taux de conformité:

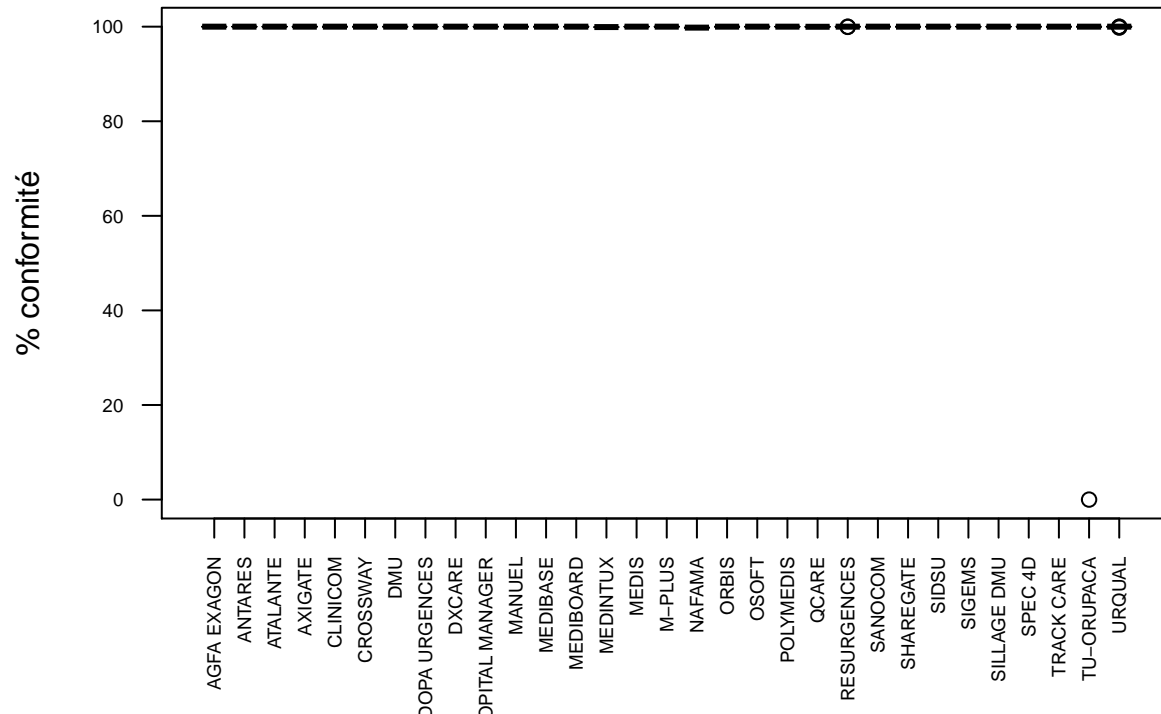
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	100.00	100.00	99.44	100.00	100.00	2

- 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



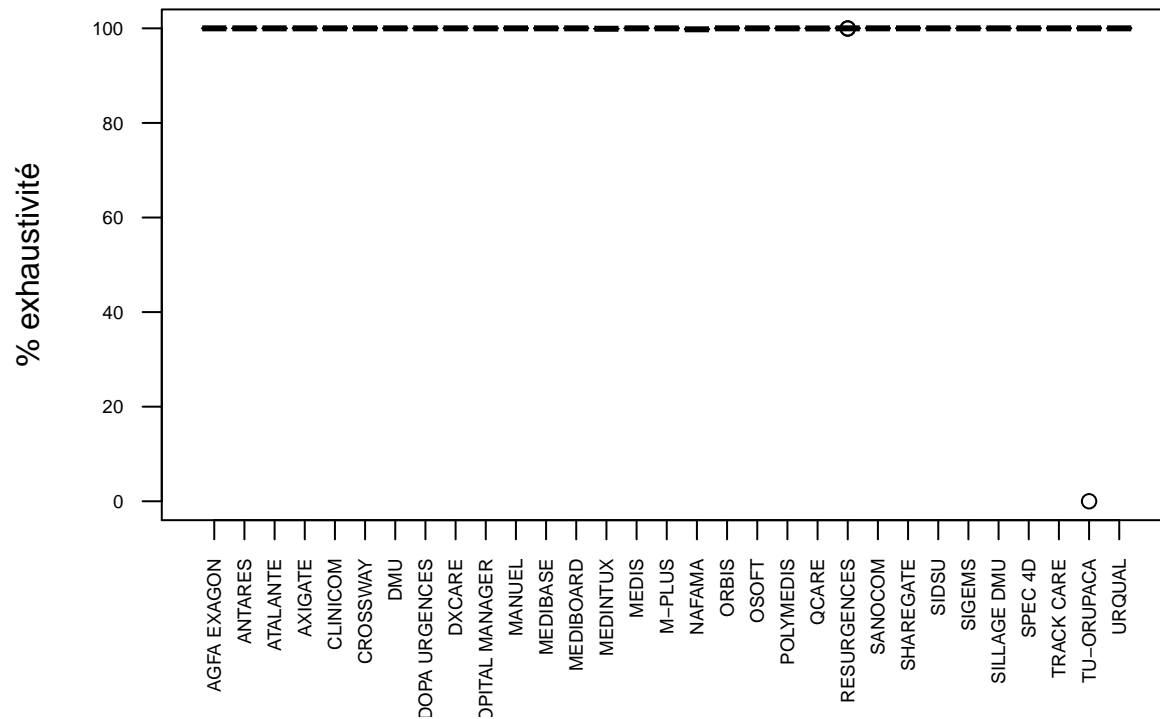
- taux d'exhaustivité:

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:

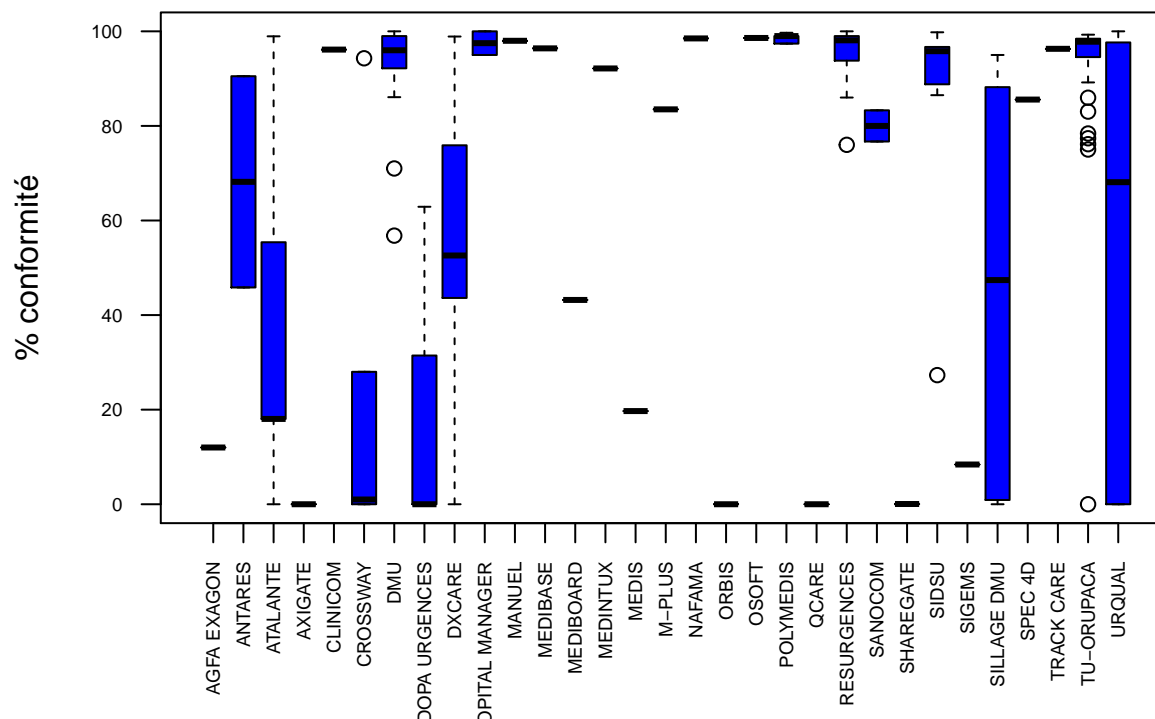
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	52.24	93.80	71.48	98.32	100.00	3

- 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:

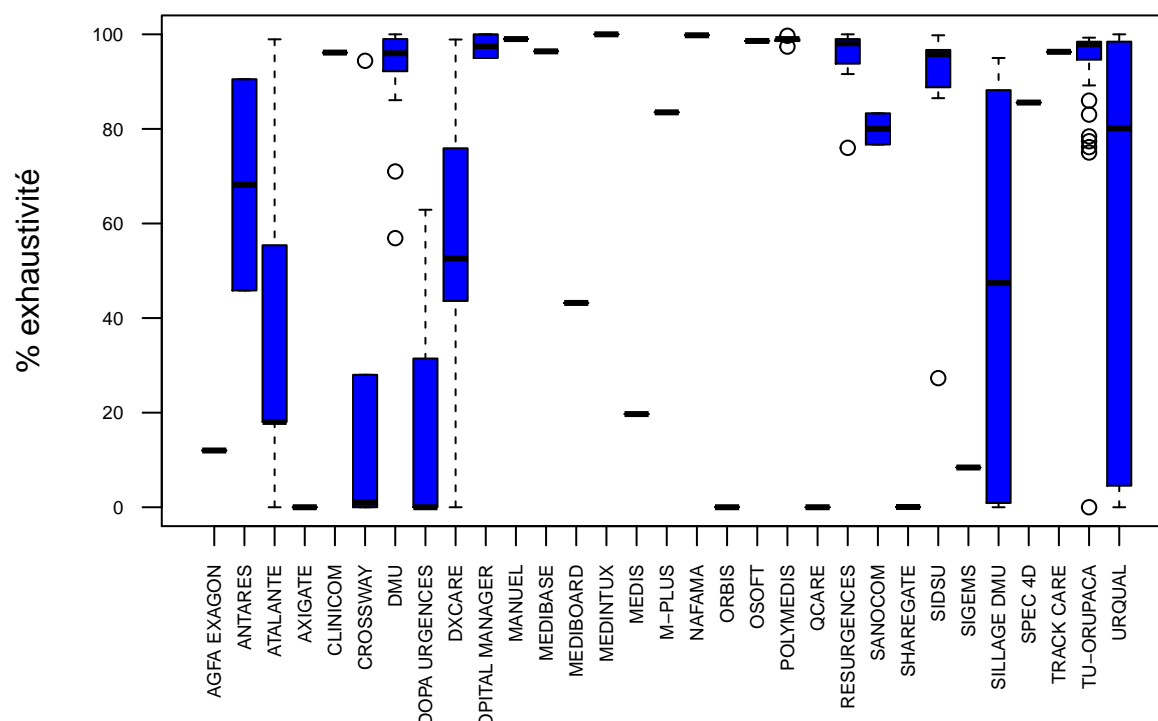
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	53.30	94.03	72.63	98.43	100.00	3

- 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)

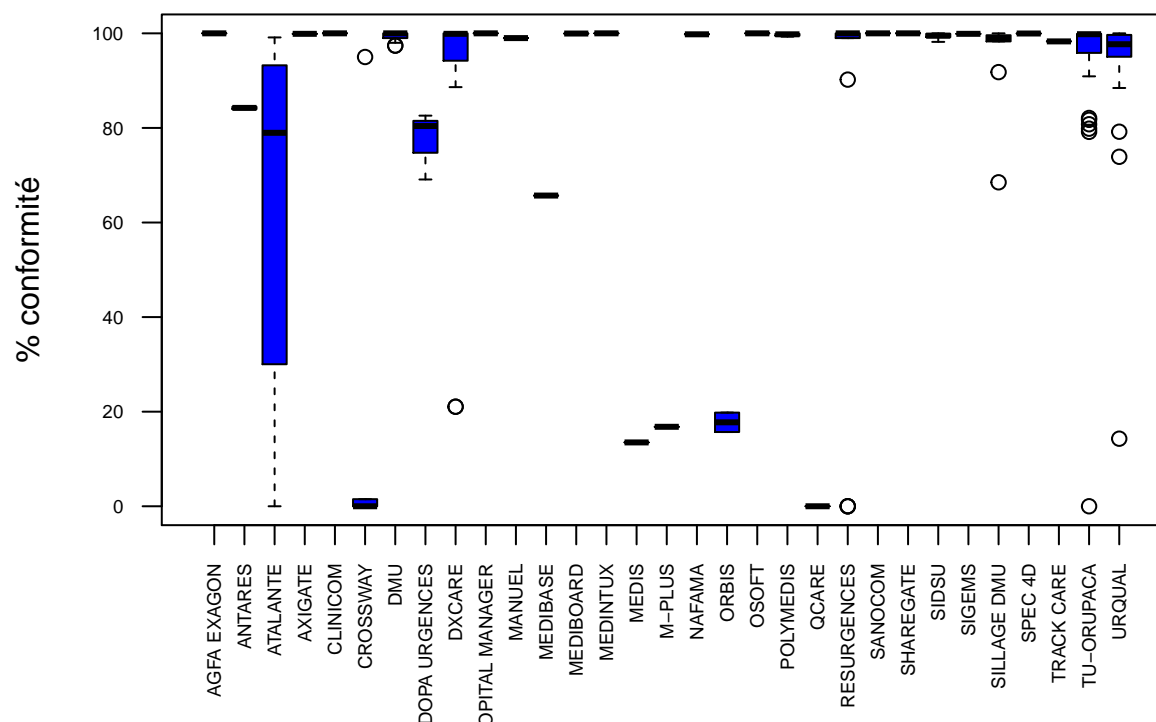
- taux de conformité:

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:

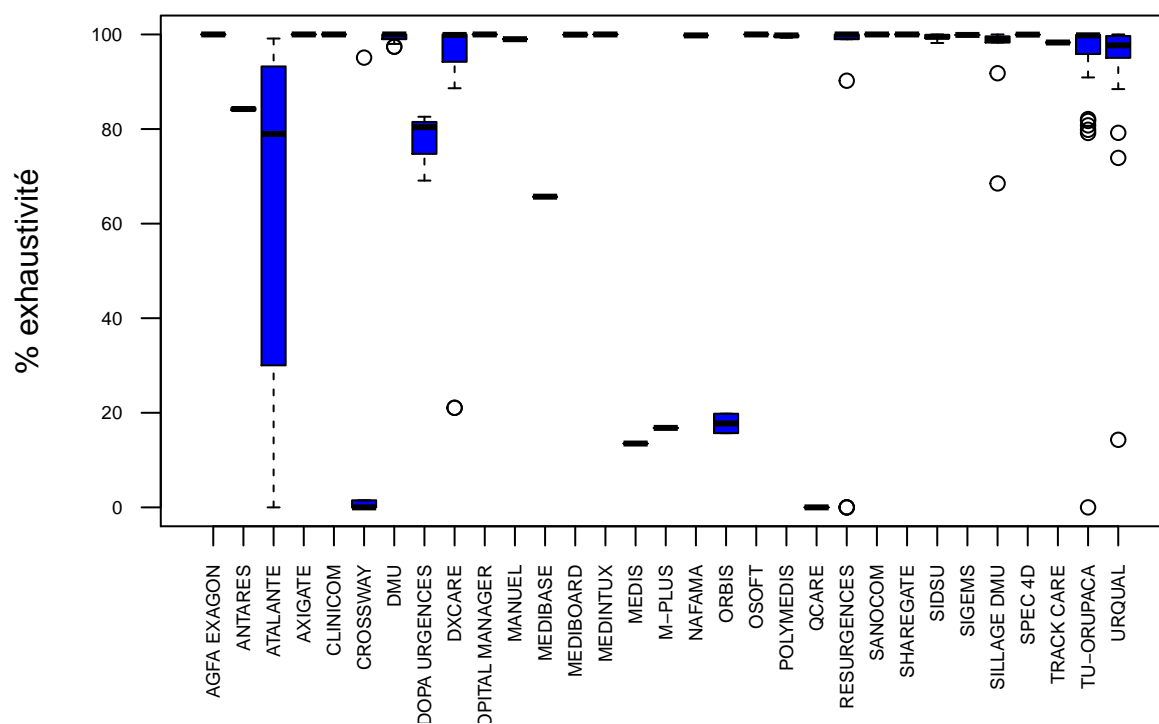
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.	NA's
0.00	94.65	99.59	87.12	100.00	100.00	2

- exhaustivité par outil

	Min	Max	moyenne	ecart-type	Nb
AGFA EXAGON	100.00	100.00	100.00000		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		1
CLINICOM	100.00	100.00	100.00000		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		1
MEDIBASE	65.70	65.70	65.70000		1
MEDIBOARD	99.96	99.96	99.96000		1
MEDINTUX	100.00	100.00	100.00000		1
MEDIS	13.50	13.50	13.50000		1
M-PLUS	16.80	16.80	16.80000		1
NAFAMA	99.80	99.80	99.80000		1
ORBIS	15.70	19.80	17.75000	2.8991378	2
OSOFT	100.00	100.00	100.00000		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

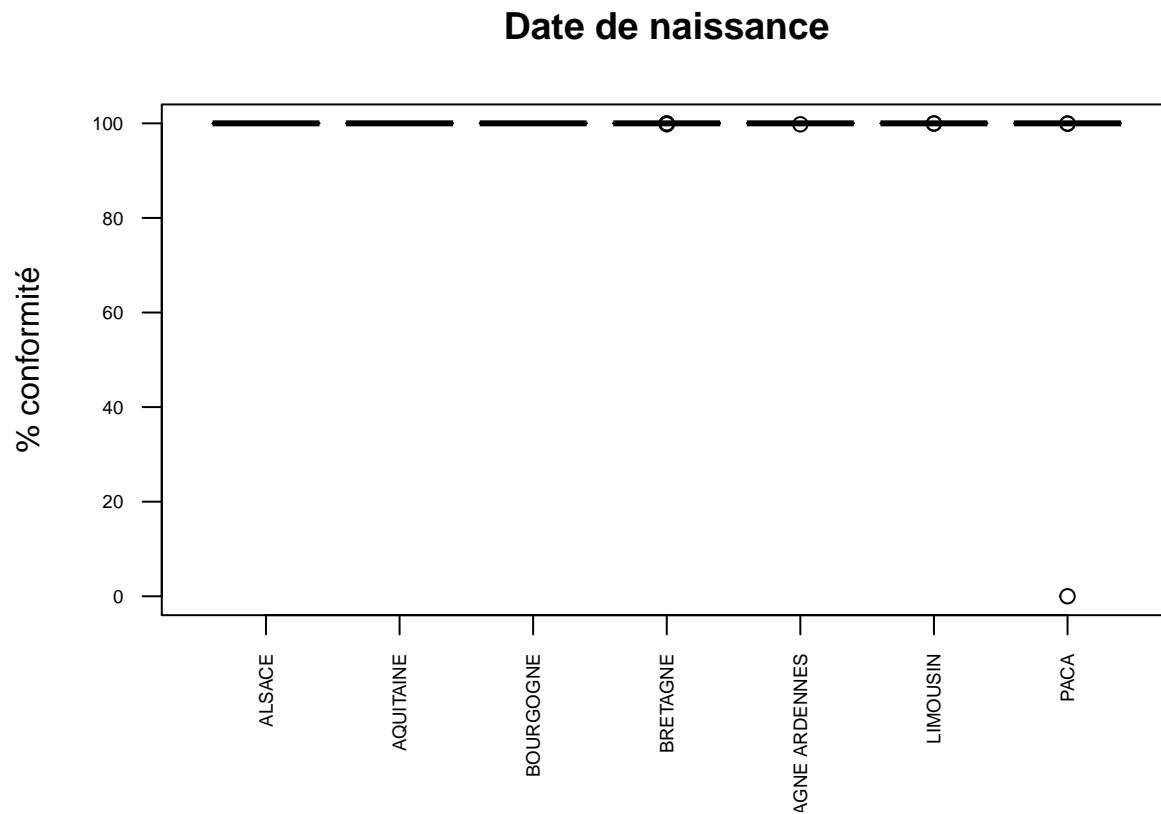
Mode de sortie



6 Conformité par région

6.1 Date de naissance

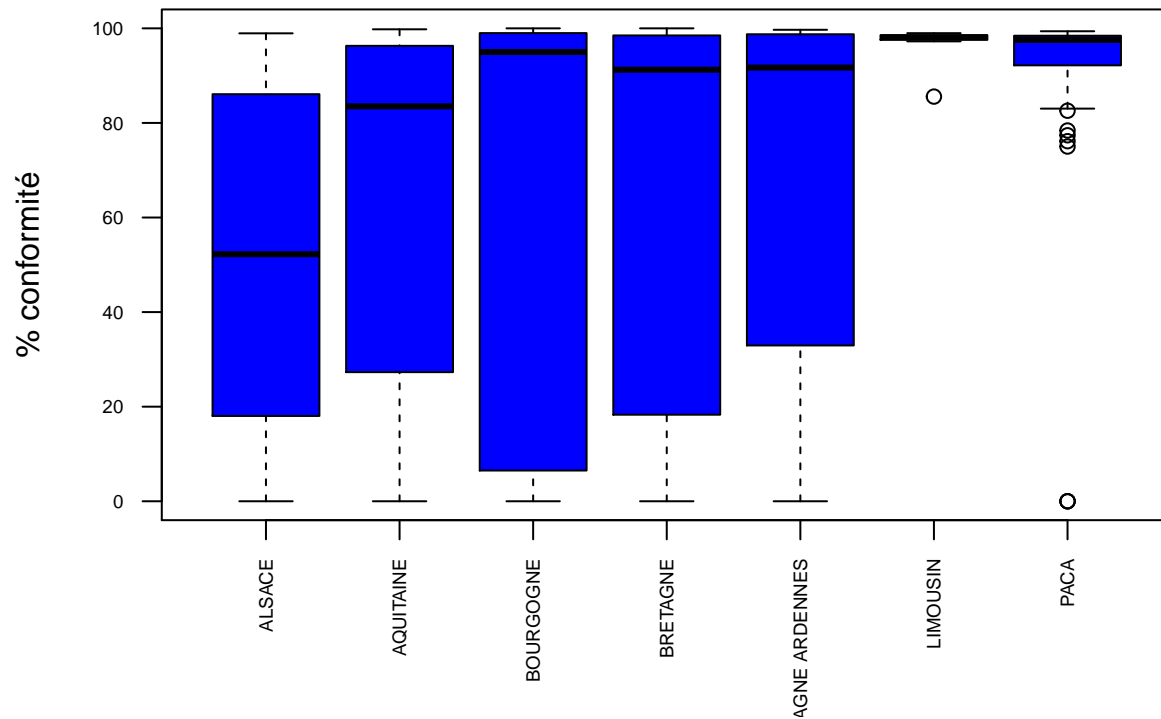
	Min	Max	moyenne	ecart-type	Nb
ALSACE	100.00	100	100.00000	0.00000000	18
AQUITAINE	100.00	100	100.00000	0.00000000	35
BOURGOGNE	100.00	100	100.00000	0.00000000	23
BRETAGNE	99.80	100	99.99167	0.03677362	30
CHAMPAGNE ARDENNES	99.80	100	99.98750	0.05000000	16
LIMOUSIN	99.95	100	99.99333	0.01658312	9
PACA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



6.2 Diagnostic (DP)

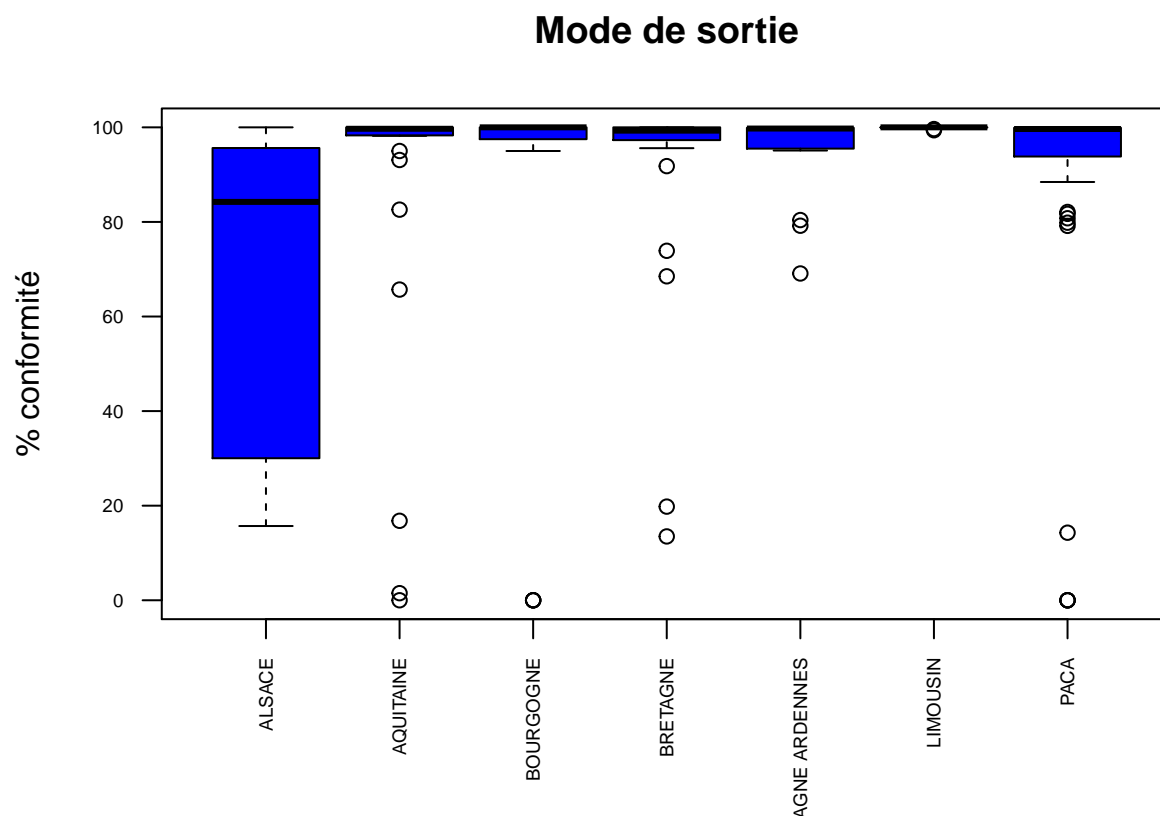
	Min	Max	moyenne	ecart-type	Nb
ALSACE	0.00	98.95	50.13176	34.316355	18
AQUITAINE	0.00	99.80	63.42121	39.782563	35
BOURGOGNE	0.00	100.00	63.86957	44.685064	23
BRETAGNE	0.00	100.00	63.90567	40.977779	30
CHAMPAGNE ARDENNES	0.00	99.70	67.61875	41.100790	16
LIMOUSIN	85.57	98.98	96.81667	4.256727	9
PACA	0.00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



7 Résultats secondaires

7.1 % de RPU ne faisant pas de remontée de RPU

NON	OUI
10	171

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[1] "5.52 %" "94.48 %"
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