Lathyrus ms2: Comparison datafiles old period

Contents

Cases where fcode																			
Cases where fcode	=0 or N	IA, b	ut tl	iere	are	e fr	uits	or	se	eds									
Cases where fcode	is NA,	but t	here	is	dat	a oı	n sh	1001	t v	olui	me								
· · · · ·			1			,													
ifferences in varia																			
FFD																			
Number of flowers																			
Number of fruits																			
Number of total se																			
Number of intact	seeds.																		
Shoot volume																			

data1: Data derived from Excel file Johan sent for ms1 in the beginning (before imputations by Alicia)

data2: Data derived from Excel file Johan sent for ms1 in the beginning (after imputations by Alicia)

data3: Data derived from Excel file Johan sent recently (88-95, for 87 and 96 the data should be the same as in data2)

The three datasets merged: FFD1 comes from data1, FFD2 from data2, FFD3 from data3, same for n_fl1, n_fl2, n_fl3... This is how the data looks:

##		year	id_nr	id	fcode	FFD1	FFD2	FFD3	intactseed	d1 in	tactseed2
##	1	1987	260	old_260	1	144	63.88194	144		0	0
##	2	1987	235	old_235	1	145	64.88194	145	:	13	13
##	3	1987	269	old_269	1	143	62.88194	143	:	17	17
##	4	1987	833	old_833	1	143	62.88194	143	:	14	14
##	5	1987	277	old_277	1	147	66.88194	147	:	11	11
##	6	1987	251	old_251	1	143	62.88194	143	2	22	22
##		inta	ctseed	3 n_fl1 1	n_f12 1	n_f13	n_fr1 n_f	fr2 n	_fr3 shoot	_vol1	shoot_vol2
##	1		(25	25	25	0	0	0	NA	NA
##	2		13	3 24	24	24	2	2	2	NA	NA
##	3		17	7 25	25	25	3	3	3	NA	NA
##	4		14	11	11	11	3	3	3	NA	NA
##	5		1:	16	16	16	2	2	2	NA	NA
##	6		22	2 21	21	21	5	5	5	NA	NA
##		shoot	t_vol3	totseed	1 tots	eed2 1	totseed3				
##	1		NA	()	0	0				
##	2		NA	13	3	13	13				
##	3		NA	1	7	17	17				
##	4		NA	14	4	14	14				
##	5		NA	1:	1	11	11				
##	6		NA	22	2	22	22				
[.]										

Problems with fcode variable

Cases where fcode=0 or NA, but there is data on FFD, or n_fl

##		year	id_nr	id	${\tt fcode}$	FFD1	FFD2	FFD3	n_fl1	n_f12	n_f13
##	1	1988	470	old_470	0	NA	NA	NA	5	5.000000	0
##	2	1989	416	old_416	NA	135	55.39653	NA	3	3.000000	NA
##	3	1989	100	old_100	0	NA	NA	1	0	0.000000	0
##	4	1990	103	old_103	0	NA	NA	5	0	0.000000	0
##	5	1993	27	old_27	0	125	45.42639	1	0	7.675872	0
##	6	1993	415	old_415	0	140	60.42639	4	0	8.231816	0
##	7	1993	258	old_258	0	135	55.42639	3	0	7.779139	0
##	8	1993	444	old_444	0	140	60.42639	4	0	10.556234	0

The first row in the table above has a value of n_fl in the previous data I got (n_fl1, n_fl2), but not in the last data sent by Johan (n_fl3=NA). I changed fcode to 1.

The second row in the table above has values of FFD and n_fl in the previous data I got (FFD1, FFD2, n_fl1, n_fl2), but not in the last data sent by Johan (FFD3=NA, n_fl3=NA). I changed fcode to 1.

The next two rows in the table above have a value of phenology in the last data sent by Johan (FFD3), but not in the previous data I got (FFD1=FFD2=NA). I changed fcode to 1, because apparently they

flowered. Can we get a FFD value from those values in FFD3 (What do 1 and 5 mean?).

The last four rows in the table above have values of FFD in all three datasets (FFD1, FFD2 and FFD3) but fcode=0 -> I changed to fcode=1. For these rows, values of n_fl were missing in the previous data I got (n_fl1=NA), but I imputed them from shoot volume (that is why there are values of n_fl2).

Cases where fcode=0 or NA, but there are fruits or seeds

```
## [1] year id_nr id fcode n_fr1 n_fr2
## [7] n_fr3 totseed1 totseed2 totseed3 intactseed1 intactseed2
## [13] intactseed3
## <0 rows> (or 0-length row.names)
```

No cases. Good!

Cases where fcode is NA, but there is data on shoot volume

```
##
      year id_nr
                        id fcode shoot_vol1 shoot_vol2 shoot_vol3
## 1
              384 old_384
                                    732.5000
                                               732.5000
                                                           733.0000
      1988
                              NA
## 2
      1988
              270 old_270
                              NA
                                    732.5000
                                               732.5000
                                                           733.0000
## 3
      1988
               88
                   old_88
                              NΑ
                                    439.5000
                                               439.5000
                                                           440.0000
## 4
      1989
                8
                    old 8
                              NA
                                  1038.0000
                                               1038.0000
                                                          1038.0000
## 5
      1990
              389 old_389
                              NA
                                    635.0000
                                               635.0000
                                                           635.0000
## 6
      1992
              191 old 191
                                    659.9552
                                               659.9552
                                                           659.9552
                              NA
## 7
              119 old_119
                                   706.8611
      1992
                              NA
                                               706.8611
                                                           706.8611
## 8
      1992
              247 old_247
                              NA
                                  1032.3662
                                              1032.3662
                                                          1032.3662
## 9
      1993
              827 old 827
                              NA
                                    659.9552
                                               659.9552
                                                           660.0000
## 10 1993
               50
                   old 50
                              NA
                                     78.5400
                                                78.5400
                                                            79.0000
## 11 1994
              385 old 385
                              NA
                                   388.7736
                                               388.7736
                                                           388.7736
## 12 1994
               76
                   old_76
                              NA
                                  2993.2512
                                               2993.2512
                                                          2993.2512
## 13 1988
                1
                    old_1
                              NA
                                          ΝA
                                                      NA
                                                           879.0000
## 14 1988
              376 old_376
                              NA
                                          NA
                                                      NA
                                                          1465.0000
## 15 1988
                                                          1026.0000
              381 old_381
                              NA
                                          NA
                                                      NA
```

I changed fcode to 0.

Differences in variables among the three datasets

FFD

For the rows below, there are no values in FFD3 (last data sent by Johan), but there are values in FFD1 and FFD2 -> I will use values of FFD2 (which are days from the vernal equinox).

```
##
                          id fcode FFD1
                                             FFD2 FFD3
        year id_nr
        1989
                800 old_800
## 643
                                 1
                                    142 62.39653
                                                     NA
## 737
        1989
                249 old_249
                                    131 51.39653
                                 1
                                                     NA
## 741
        1989
                694 old_694
                                    135 55.39653
                                 1
                                                     NA
## 900
        1989
                416 old_416
                                    135 55.39653
                                 1
                                                     NA
                752 old_752
## 1742 1990
                                 1
                                    141 61.15417
                                                     NA
## 2555 1991
                251 old_251
                                    140 59.91181
                                 1
                                                     NA
## 5142 1993
                259 old_259
                                 1
                                    140 60.42639
                                                     NA
## 5665 1993
                428 old 428
                                 1
                                    140 60.42639
                                                     NA
## 6433 1994
                                    139 59.18403
                      old_1
                                 1
                                                     NA
```

For the rows below: there are no values in FFD1 and FFD2, but there are values in FFD3 (last data sent by Johan) -> What to do? Can we get a FFD value from those values in FFD3 (What do those values mean?).

```
##
        year id_nr
                          id fcode FFD1 FFD2 FFD3
## 898
        1989
                199 old_199
                                      NA
                                            NA
                                                  3
                                  1
## 1001 1989
                100 old 100
                                  1
                                      NA
                                            NA
                                                  1
## 1145 1989
                739 old_739
                                      NA
                                           NA
                                                  1
                                  1
## 1908 1990
                103 old 103
                                  1
                                      NA
                                            NA
                                                  5
                407 old_407
## 2285 1990
                                      NA
                                            NA
                                                  8
                                  1
```

Number of flowers

778 rows where there is difference in the number of flowers among the three datasets

```
##
        year id_nr
                          id fcode n_fl1
                                              n_f12 n_f13
## 327
        1988
                191 old_191
                                 1
                                           3.000000
## 422
        1988
                470 old_470
                                 1
                                        5
                                           5.000000
                                                         0
## 898
                199 old_199
                                                         3
        1989
                                 1
                                      NA
## 900
        1989
                416 old_416
                                 1
                                        3
                                           3.000000
                                                        NA
## 1254 1990
                810 old 810
                                 1
                                      NA
                                           6.974556
                                                        NA
## 2284 1990
                409 old_409
                                 1
                                      NA 10.965545
                                                        NA
```

[...]

601 cases where fcode=0 and n fl3=0 (NA values for n fl1 and n fl2) -> Assign 0 flowers

```
##
         year id_nr
                          id fcode n_fl1 n_fl2 n_fl3
## 10168 1988
                   5 old_5
                                  0
                                       NA
                                             NA
## 10171 1988
                  12 old_12
                                  0
                                       NA
                                             NA
                                                     0
## 10173 1989
                  13 old_13
                                       NA
                                             NA
                                 0
                                                     0
## 10174 1988
                  14 old_14
                                       NA
                                             NA
                                                     0
## 10175 1989
                  14 old_14
                                  0
                                                     0
                                       NA
                                             NA
## 10183 1988
                  20 old_20
                                       NA
                                                     0
                                             NA
```

[...]

Cases where fcode=0 and n_fl3<0 -> must be errors -> Assign 0 flowers

```
##
        year id nr
                         id fcode n fl1 n fl2
                                                    n f13
## 2864 1991
                704 old 704
                                 0
                                       0
                                             0 -4.15e-05
## 3192 1991
                258 old_258
                                 0
                                       0
                                             0 -4.15e-05
## 3475 1991
                113 old_113
                                 0
                                       0
                                             0 -4.15e-05
```

47 cases where fcode=1 and there is only data for n_fl2-> These are data I have imputed from shoot volume -> Use n_fl2

```
id fcode n_fl1
##
        year id_nr
                                              n_f12 n_f13
## 1254 1990
                810 old_810
                                      NA
                                          6.974556
                                 1
## 2284 1990
                409 old_409
                                 1
                                      NA 10.965545
                                                       NA
                384 old_384
## 2541 1991
                                          8.288818
                                 1
                                      NA
                                                       NA
## 2542 1991
                  8
                      old_8
                                 1
                                      NA
                                          8.731097
                                                       NA
## 2546 1991
                284 old_284
                                 1
                                      NA
                                          9.687712
                                                       NA
## 2547 1991
                262 old_262
                                      NA 20.058023
                                 1
                                                       NA
```

 $[\dots]$

119 cases where fcode=1 and there is only data for n_fl3-> Use n_fl3

```
year id_nr
                     id fcode n_fl1 n_fl2 n_fl3
        1989
## 898
                199 old_199
                                1
                                     NA
                                            NA
## 10186 1988
                 23 old 23
                                      NA
                                            NA
                 25 old_25
                                                   7
## 10188 1988
                                1
                                      NA
                                            NA
## 10189 1989
                 26 old_26
                                1
                                      NA
                                            NA
                                                   3
## 10196 1989
                                      NA
                                                   3
                 30 old 30
                                1
## 10197 1989
                 31 old 31
                                1
                                      NA
                                            NA
                                                  75
[\dots]
Cases where fcode=1 and there is data for nfl1 and nfl2 but not for nfl3 -> Use n_fl2
                        id fcode n_fl1 n_fl2 n_fl3
        year id_nr
## 900 1989
               416 old_416
                               1
                                    3
## 3533 1991
               376 old_376
                                      4
                                                 NA
                               1
Cases where fcode=1 and there is data for the three years but the values are different -> Use n_fl2
       year id_nr id fcode n_fl1 n_fl2 n_fl3
## 327 1988 191 old_191
                              1
                                    3
                                           3
Cases where n_fl3=0 and there is info on number of flowers from data2 -> Use n_fl2
        year id_nr
                        id fcode n_fl1
                                            n_f12 n_f13
## 422 1988
                              1
                                     5 5.000000
               470 old_470
## 5150 1993
                27 old_27
                               1
                                     0 7.675872
                                                      0
## 5414 1993
               415 old 415
                               1
                                     0 8.231816
                                                      0
```

0 7.779139

0 10.556234

0

Number of fruits

5720 1993

6053 1993

1032 rows where there is difference in the number of fruits among the three datasets

1

1

```
id fcode n_fr1 n_fr2 n_fr3
       year id_nr
## 248 1988
              211 old_211
                               1
                                      0
## 251 1988
              279 old_279
                                      0
                                                 NA
## 261 1988
              223 old_223
                                      0
                                            0
                                                 NA
                               1
              229 old_229
                                            6
                                                  5
## 263 1988
                               1
                                      6
## 264 1988
              139 old_139
                                      0
                                            0
                               1
                                                 NA
## 269 1988
              202 old 202
[\dots]
```

258 old_258

444 old 444

246 cases where n_fr1=n_fr2 and n_fr3 is NA \rightarrow Use n_fr2

```
year id_nr
                        id fcode n_fr1 n_fr2 n_fr3
## 248 1988
              211 old_211
                               1
                                      0
## 251 1988
              279 old_279
                                      0
                                            0
                                                 NA
                               1
## 261 1988
              223 old_223
                                      0
                                            0
                                                 NA
## 264 1988
              139 old_139
                                      0
                                            0
                               1
                                                 NA
## 269 1988
              202 old_202
                                      0
                                            0
                                                 NA
                               1
## 270 1988
              841 old_841
                                                 NA
                               1
```

 $[\dots]$

Cases where n fr1=n fr2 and n fr3 is not NA

```
##
      year id_nr
                   id fcode n_fr1 n_fr2 n_fr3
## 263 1988 229 old 229 1 6 6
```

```
## 484 1988
               355 old 355
                                1
## 4199 1992
               464 old_464
                                      3
                                1
First and third case -> Use n fr2
Second case -> Use n fr3
695 cases when n fr1 and n fr2 are NA, and n fr3 is 0 \rightarrow \mathbf{Use} \ \mathbf{n} fr3
       year id nr
                        id fcode n_fr1 n_fr2 n_fr3
## 275 1988
              810 old_810
                                1
                                     NA
                                            NA
## 328 1988
              119 old_119
                                1
                                     NA
                                            NA
                                                   0
## 334 1988
              19
                   old_19
                                1
                                     NA
                                           NA
                                                   0
## 368 1988
              415 old_415
                                     NA
                                                   0
                                1
                                           NA
## 556 1988
              188 old_188
                                     NA
                                           NA
                                                   0
                                1
## 905 1989 1034 old_1034
                                     NA
                                            NA
                                                   0
88 cases when n fr1 and n fr2 are NA, and n fr3 is not 0 -> Use n_fr3
         year id nr
                          id fcode n fr1 n fr2 n fr3
                315 old_315
         1988
                                      NA
## 540
                                 1
                                             NΑ
## 3554 1991
                448 old 448
                                 1
                                      NA
                                             NA
                                                    1
## 10186 1988
                 23 old_23
                                 1
                                      NA
                                             NA
                                                    1
## 10188 1988
                 25 old_25
                                      NA
                                                    1
                                 1
                                             NΑ
## 10197 1989
                 31 old 31
                                 1
                                      NA
                                             NA
                                                    5
## 10215 1989
                 44 old 44
                                 1
                                      NA
                                             NA
[\dots]
Number of total seeds
965 rows where there is difference in the number of total seeds among the three datasets
       year id_nr
                      id fcode totseed1 totseed2 totseed3
## 249 1988
               64 old_64
                            1 14.90700 14.90700 0.00000
## 252 1988
              419 old 419
                               1 19.87600 19.87600 0.00000
## 256 1988
              426 old_426
                               1 9.93800 9.93800 0.00000
## 259 1988
              216 old 216
                               1 37.33333 37.33333 37.33333
## 263 1988
              229 old 229
                               1 26.40000 26.40000 22.00000
## 268 1988
              212 old 212
                               1 4.96900 4.96900 0.00000
91 cases where totseed1=totseed2 and totseed3 is NA or 0 -> Use totseed2
       year id_nr
                       id fcode totseed1 totseed2 totseed3
## 249 1988
               64 old 64
                               1
                                 14.907
                                           14.907
## 252 1988
              419 old_419
                                   19.876
                                             19.876
                                                           0
                               1
              426 old_426
                                              9.938
                                                           0
## 256 1988
                               1
                                    9.938
## 268 1988
              212 old_212
                                    4.969
                                              4.969
                                                           0
                               1
## 303 1988
              284 old_284
                               1
                                    4.969
                                             4.969
                                                           0
## 307 1988
              213 old_213
                               1
                                   19.876
                                            19.876
                                                           0
Cases where totseed1=totseed2 and totseed3 is > 0
```

id fcode totseed1 totseed2 totseed3

year id_nr

259 1988

First, second, third and fifth case -> Use totseed2

Fourth case -> Use totseed3

803 cases when totseed1 and totseed2 are NA, and totseed3 is not NA -> Use totseed3

```
year id_nr
                        id fcode totseed1 totseed2 totseed3
              810 old_810
## 275 1988
                                        NA
                                                 NA
                                                            0
                               1
## 328 1988
              119 old_119
                                                 NA
                                                            0
                               1
                                        NA
## 334 1988
               19 old_19
                                        NA
                                                 NA
                                                            0
                               1
## 368 1988
              415 old_415
                                                            0
                               1
                                        NA
                                                 NA
## 540 1988
              315 old_315
                                                 NA
                                                           10
                               1
                                        NA
## 556 1988
              188 old_188
                               1
                                        NA
                                                 NA
                                                            0
```

[...]

127 remaining cases when totseed2 is not NA, and totseed3 is 0 or NA -> Use totseed2

```
year id_nr
                       id fcode totseed1 totseed2 totseed3
## 900 1989
                                      0.000000
              416 old_416
                              1
## 1232 1990
              133 old_133
                                      NA 28.829268
                                                          0
                              1
## 1237 1990
                6
                    old 6
                              1
                                      NA 4.804878
                                                          0
## 1239 1990
               58 old_58
                                                          0
                              1
                                      NA 9.609756
## 1267 1990
              255 old 255
                              1
                                      NA 4.804878
## 1282 1990
              284 old_284
                              1
                                      NA 24.024390
```

 $[\dots]$

Number of intact seeds

965 rows where there is difference in the number of intact seeds among the three datasets

```
id fcode intactseed1 intactseed2 intactseed3
       year id nr
## 249 1988
               64 old_64
                                               6.901690
                                                            0.000000
                              1
                                   6.901690
## 252 1988
              419 old 419
                              1
                                   9.171920
                                               9.171920
                                                            0.000000
## 253 1988
              133 old 133
                                   3.818182
                                               3.818182
                                                            3.818182
                              1
## 256 1988
              426 old 426
                              1
                                   4.631460
                                               4.631460
                                                            0.000000
              216 old_216
## 259 1988
                              1
                                  23.333333
                                              23.333333
                                                           23.333333
## 263 1988
              229 old_229
                              1
                                  18.000000
                                              18.000000
                                                           15.000000
```

[...]

90 cases where intactseed1=intactseed2 and intactseed3 is NA or 0 -> Use intactseed2

```
id fcode intactseed1 intactseed2 intactseed3
       year id_nr
## 249 1988
               64 old_64
                               1
                                     6.90169
                                                 6.90169
                                                                    0
## 252 1988
              419 old_419
                                     9.17192
                                                 9.17192
                                                                    0
                               1
## 256 1988
              426 old_426
                              1
                                     4.63146
                                                 4.63146
                                                                    0
## 268 1988
              212 old_212
                               1
                                     2.36123
                                                 2.36123
                                                                    0
## 303 1988
              284 old_284
                                     2.36123
                                                 2.36123
                                                                    0
                               1
## 307 1988
              213 old_213
                                                                    0
                               1
                                     9.17192
                                                 9.17192
```

 $[\dots]$

Cases where intactseed1=intactseed2 and intactseed3 is > 0

```
##
        year id_nr
                         id fcode intactseed1 intactseed2 intactseed3
## 253
        1988
               133 old_133
                                     3.818182
                                                  3.818182
                                                               3.818182
                                1
               216 old_216
  259
        1988
                                1
                                    23.333333
                                                 23.333333
                                                              23.333333
               229 old_229
## 263
        1988
                                    18.000000
                                                 18.000000
                                                              15.000000
                                1
## 302
        1988
               252 old_252
                                1
                                     5.333333
                                                  5.333333
                                                               5.333333
## 484
        1988
               355 old_355
                                     0.000000
                                                  0.000000
                                                               2.000000
                                1
## 2619 1991
               278 old_278
                                    36.000000
                                                 36.000000
                                                              12.000000
```

First, second, third, fourth and sixth case -> Use intactseed2

 $Fifth \ case \ -> \ Use \ intactseed 3$

803 cases when intactseed1 and intactseed2 are NA, and intactseed3 is not NA -> Use intactseed3

##		year	id_nr	id	fcode	intactseed1	intactseed2	intactseed3
##	275	1988	810	old_810	1	NA	NA	0
##	328	1988	119	old_119	1	NA	NA	0
##	334	1988	19	old_19	1	NA	NA	0
##	368	1988	415	old_415	1	NA	NA	0
##	540	1988	315	old_315	1	NA	NA	10
##	556	1988	188	old_188	1	NA	NA	0

[...]

127 remaining cases when intactseed2 is not NA, and intactseed3 is 0 or NA -> Use intactseed2

##		year	id_nr	id	fcode	${\tt intactseed1}$	${\tt intactseed2}$	intactseed3
##	900	1989	416	old_416	1	0	0.000000	NA
##	1232	1990	133	old_133	1	NA	22.035366	0
##	1237	1990	6	old_6	1	NA	3.672561	0
##	1239	1990	58	old_58	1	NA	7.345122	0
##	1267	1990	255	old_255	1	NA	3.672561	0
##	1282	1990	284	${\tt old_284}$	1	NA	18.362805	0

[...]

Shoot volume

 $2108\ \mathrm{rows}$ where there is difference in shoot volume among the three datasets

##		year	id_nr	id	${\tt fcode}$	${\tt shoot_vol1r}$	${\tt shoot_vol2r}$	shoot_vol3r
##	248	1988	211	old_211	1	732	732	733
##	250	1988	791	old_791	0	732	732	733
##	257	1988	265	old_265	0	732	732	733
##	258	1988	6	old_6	1	2490	2490	2491
##	259	1988	216	old_216	1	2490	2490	2491
##	260	1988	58	old_58	0	732	732	733

[...]

123 cases where the difference is very small, due to rounding of values -> Use shoot_vol2

##		year	id_nr	id	fcode	${\tt shoot_vol1r}$	${\tt shoot_vol2r}$	shoot_vol3r
##	248	1988	211	old_211	1	732	732	733
##	250	1988	791	old_791	0	732	732	733
##	257	1988	265	old_265	0	732	732	733
##	258	1988	6	old_6	1	2490	2490	2491
##	259	1988	216	old_216	1	2490	2490	2491
##	260	1988	58	old 58	0	732	732	733

[...]

1230 cases where shoot_vol3 is NA -> Assign shoot_vol as NA

```
year id_nr
                         id fcode shoot_vol1r shoot_vol2r shoot_vol3r
## 8813 1996
                791 old_791
                                NA
                                              0
                                              0
                                                           0
## 8814 1996
                279 old_279
                                NA
                                                                      NA
## 8815 1996
                419 old_419
                                NA
                                              0
                                                           0
                                                                      NA
                264 old_264
## 8817 1996
                                              0
                                                           0
                                                                      NA
                                NA
## 8818 1996
                195 old_195
                                NA
                                              0
                                                           0
                                                                      NA
## 8820 1996
                265 old_265
                                NA
                                              0
                                                                      {\tt NA}
```

[...]

755 cases where shoot_vol1 and shoot_vol2 are NA, but there is a value of shoot_vol3 -> Use shoot_vol3

##		year	id_nr	id	fcode	<pre>shoot_vol1r</pre>	shoot_vol2r	shoot_vol3r
##	10165	1988	1	old_1	0	NA	NA	879
##	10168	1988	5	old_5	0	NA	NA	192
##	10171	1988	12	old_12	0	NA	NA	733
##	10173	1989	13	old_13	0	NA	NA	48
##	10174	1988	14	old_14	0	NA	NA	170
##	10175	1989	14	${\tt old_14}$	0	NA	NA	82

[...]

Definitive dataset

I created a "defintive" dataset with the values chosen in each case

##		year	id_nr	id	fcode	FFD	n_fl	n_fr	totseed	${\tt intactseed}$	shoot_vol
##	1	1989	1	old_1	1	NA	6	3	8	6	1418.6000
##	2	1990	1	old_1	0	NA	0	0	0	0	523.2000
##	3	1991	1	old_1	1	59.91181	23	3	12	12	1915.4000
##	4	1992	1	old_1	1	55.66944	19	2	6	1	1460.1917
##	5	1993	1	old_1	1	NA	NA	0	0	0	879.6493
##	6	1994	1	old_1	1	59.18403	14	1	3	3	1338.6727

[...]