Ocupación, bajo el modelo estático (MacKenzie et al. 2002) para para las especies de mamíferos en el Parque Nacional Machalilla

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Contents

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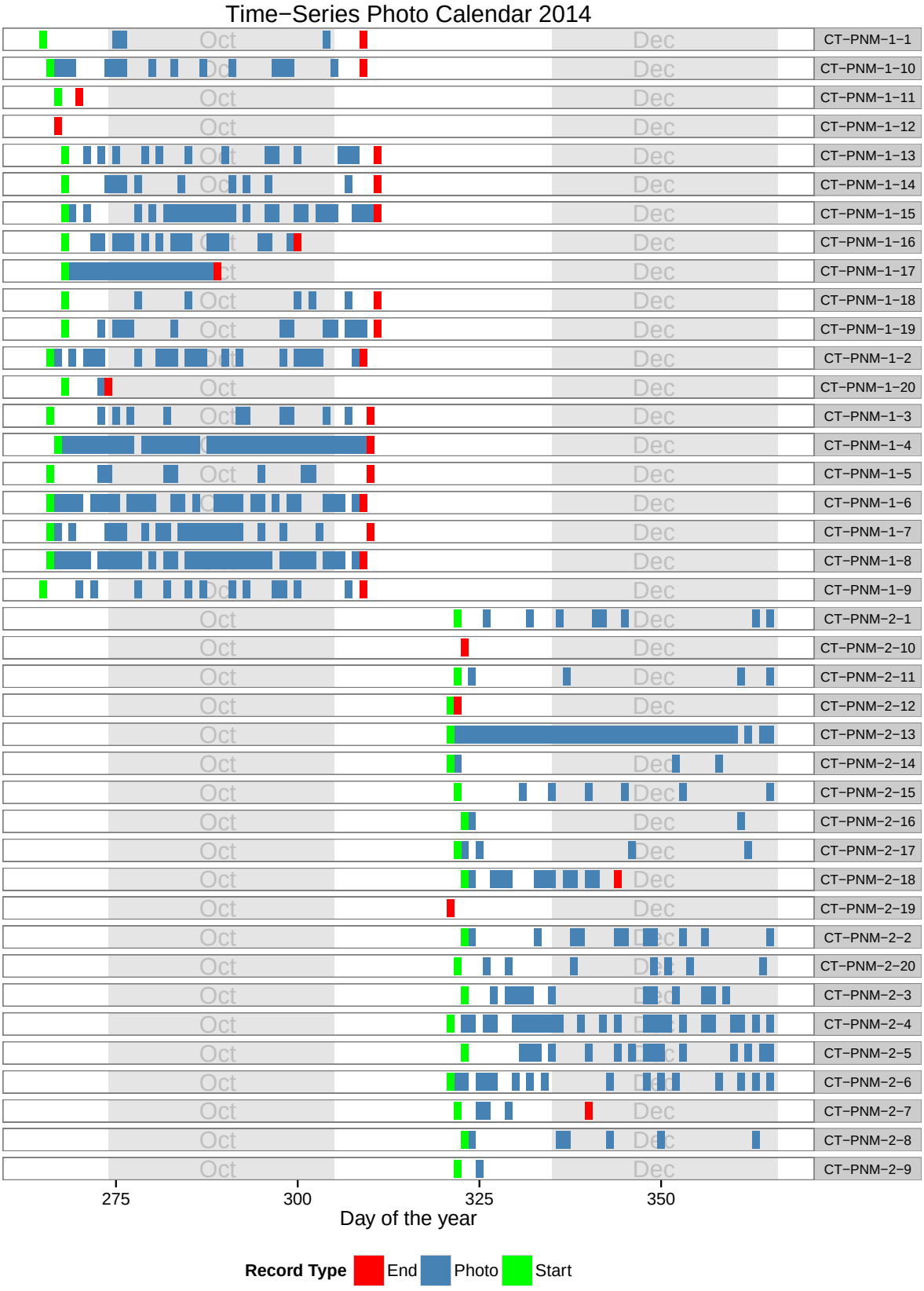
1 Duración del muestreo

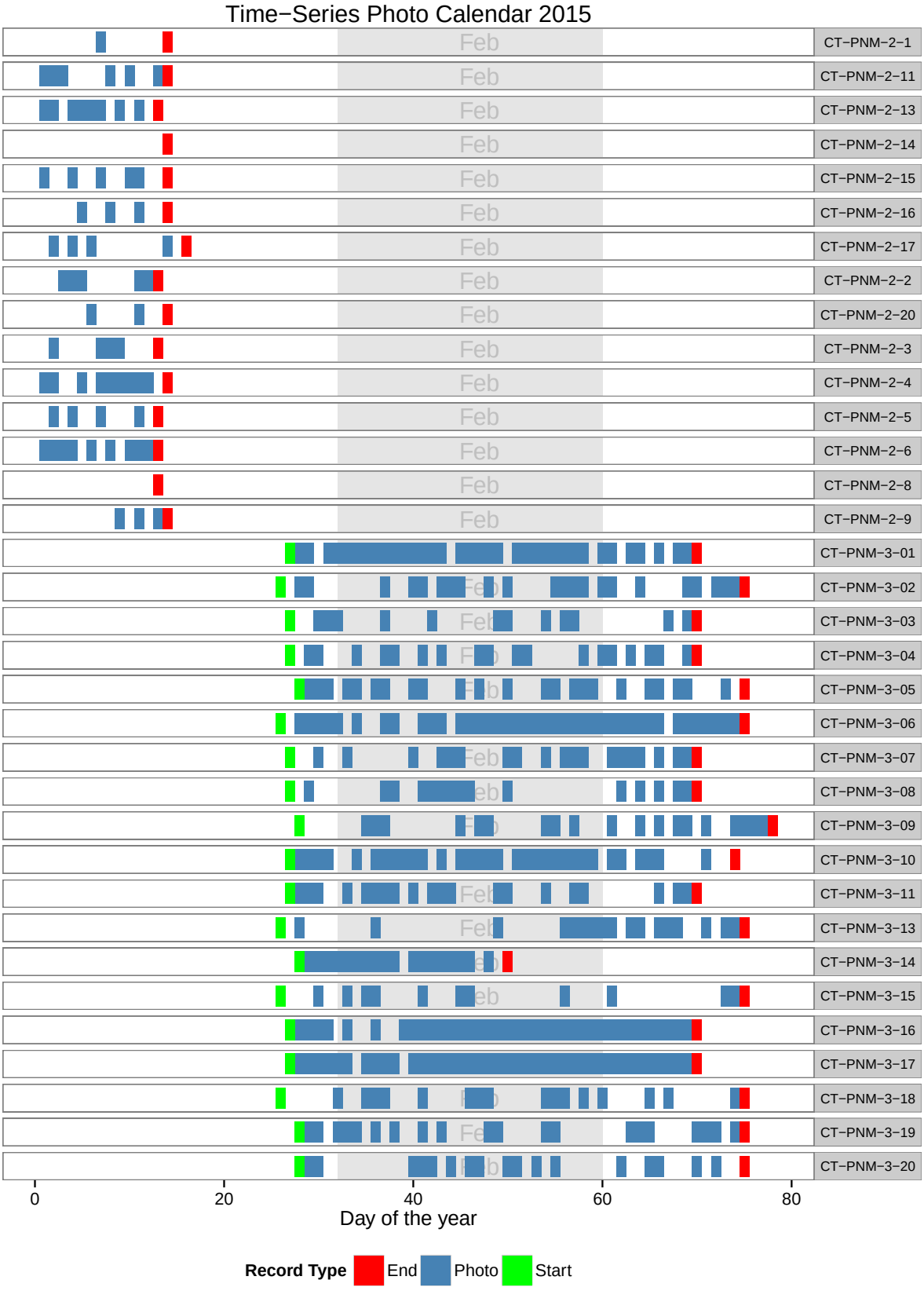
Las trampas cámara permanecieron activas desde final de septiembre 204 hasta comienzos de marzo 2015.

```
##
## Attaching package: 'dplyr'
##
## The following objects are masked from 'package:lubridate':
##
##     intersect, setdiff, union
##
## The following objects are masked from 'package:stats':
##
##     filter, lag
##
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
##
## Loading required package: sp
## Checking rgeos availability: TRUE
##
## Attaching package: 'maptools'
##
## The following object is masked from 'package:xtable':
##
##     label
##
## rgdal: version: 1.0-7, (SVN revision 559)
##  Geospatial Data Abstraction Library extensions to R successfully loaded
##  Loaded GDAL runtime: GDAL 1.11.2, released 2015/02/10
##  Path to GDAL shared files: C:/Program Files/R/R-3.2.2/library/rgdal/gdal
##  GDAL does not use iconv for recoding strings.
##  Loaded PROJ.4 runtime: Rel. 4.9.1, 04 March 2015, [PJ_VERSION: 491]
##  Path to PROJ.4 shared files: C:/Program Files/R/R-3.2.2/library/rgdal/proj
##  Linking to sp version: 1.2-0
## Loading required package: reshape2
## Loading required package: plyr
## ------------------------------------------------------------------------------
## You have loaded plyr after dplyr - this is likely to cause problems.
## If you need functions from both plyr and dplyr, please load plyr first, then dplyr:
## library(plyr); library(dplyr)
## ------------------------------------------------------------------------------
##
## Attaching package: 'plyr'
##
## The following objects are masked from 'package:dplyr':
##
##     arrange, count, desc, failwith, id, mutate, rename, summarise,
##     summarize
##
## The following object is masked from 'package:lubridate':
##
##     here
```

```
##
## Loading required package: ggplot2
## Loading required package: reshape
##
## Attaching package: 'reshape'
##
## The following objects are masked from 'package:plyr':
##
##     rename, round_any
##
## The following objects are masked from 'package:reshape2':
##
##     colsplit, melt, recast
##
## The following object is masked from 'package:dplyr':
##
##     rename
##
## The following object is masked from 'package:lubridate':
##
##     stamp
##
## Loading required package: zoo
##
## Attaching package: 'zoo'
##
## The following objects are masked from 'package:base':
##
##     as.Date, as.Date.numeric
##
## Loading required package: chron
##
## Attaching package: 'chron'
##
## The following objects are masked from 'package:lubridate':
##
##     days, hours, minutes, seconds, years
##
## Loading required package: ggmap
## Loading required package: grid
## Loading required package: Hmisc
## Loading required package: lattice
## Loading required package: survival
## Loading required package: Formula
##
## Attaching package: 'Hmisc'
##
## The following objects are masked from 'package:plyr':
##
##     is.discrete, summarize
##
## The following object is masked from 'package:maptools':
##
##     label
```

```
##
## The following objects are masked from 'package:dplyr':
##
##     combine, src, summarize
##
## The following objects are masked from 'package:xtable':
##
##     label, label<-
##
## The following objects are masked from 'package:base':
##
##     format.pval, round.POSIXt, trunc.POSIXt, units
##
## Loading required package: scales
```


Time−Series Photo Calendar 2014
Oct
Dec
CT−PNM−1−1
CT−PNM−1−10
CT−PNM−1−11
CT−PNM−1−12
CT−PNM−1−13
CT−PNM−1−14
CT−PNM−1−15
CT−PNM−1−16
CT−PNM−1−17
CT−PNM−1−18
CT−PNM−1−19
CT−PNM−1−2
CT−PNM−1−20
CT−PNM−1−3
CT−PNM−1−4
CT−PNM−1−5
CT−PNM−1−6
CT−PNM−1−7
CT−PNM−1−8
CT−PNM−1−9
CT−PNM−2−1
CT−PNM−2−10
CT−PNM−2−11
CT−PNM−2−12
CT−PNM−2−13
CT−PNM−2−14
CT−PNM−2−15
CT−PNM−2−16
CT−PNM−2−17
CT−PNM−2−18
CT−PNM−2−19
CT−PNM−2−2
CT−PNM−2−20
CT−PNM−2−3
CT−PNM−2−4
CT−PNM−2−5
CT−PNM−2−6
CT−PNM−2−7
CT−PNM−2−8
CT−PNM−2−9
275
300
325
350
Day of the year
Record Type
End
Photo
Start


Time−Series Photo Calendar 2015
Feb
CT−PNM−2−1
CT−PNM−2−11
CT−PNM−2−13
CT−PNM−2−14
CT−PNM−2−15
CT−PNM−2−16
CT−PNM−2−17
CT−PNM−2−2
CT−PNM−2−20
CT−PNM−2−3
CT−PNM−2−4
CT−PNM−2−5
CT−PNM−2−6
CT−PNM−2−8
CT−PNM−2−9
CT−PNM−3−01
CT−PNM−3−02
CT−PNM−3−03
CT−PNM−3−04
CT−PNM−3−05
CT−PNM−3−06
CT−PNM−3−07
CT−PNM−3−08
CT−PNM−3−09
CT−PNM−3−10
CT−PNM−3−11
CT−PNM−3−13
CT−PNM−3−14
CT−PNM−3−15
CT−PNM−3−16
CT−PNM−3−17
CT−PNM−3−18
CT−PNM−3−19
CT−PNM−3−20
0
20
40
60
80
Day of the year
Record Type
End
Photo
Start

2 Especies registradas

Las especies registradas en el Parque Nacional Machalilla fueron 36

% latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:18:55 2015

	Numero_de_registros	especie
1	701.00	
2	315.00	Cabra aegagrus
3	68.00	Bos primigenius
4	63.00	Equus ferus
5	58.00	Dasyprocta punctata
6	52.00	Equus africanus
7	45.00	Sciurus stramineus
8	37.00	Leptotila verreauxi
9	33.00	Odocoileus virginianus
10	31.00	Cuniculus paca
11	31.00	Pecari tajacu
12	30.00	Eira barbara
13	25.00	Homo sapiens
14	23.00	Canis lupus
15	21.00	Dasypus novemcinctus
16	19.00	Sus scrofa
17	15.00	Tamandua mexicana
18	15.00	Sylvilagus brasiliensis
19	10.00	Leopardus wiedii
20	9.00	Mazama americana
21	8.00	Procyon cancrivorus
22	5.00	Leopardus pardalis
23	5.00	Didelphis marsupialis
24	4.00	Nasua narica
25	3.00	Buteogallus urubitinga
26	3.00	Rattus rattus
27	3.00	Puma yagouaroundi
28	3.00	Ortalis vetula
29	1.00	Tinamus major
30	1.00	Pipistrellus pipistrellus
31	1.00	Heliomaster longirostris
32	1.00	Myotis myotis
33	1.00	Momotus momota
34	1.00	Zenaida auriculata
35	1.00	Gallus gallus
36	1.00	Cathartes aura
37	1.00	Pheucticus chrysogaster

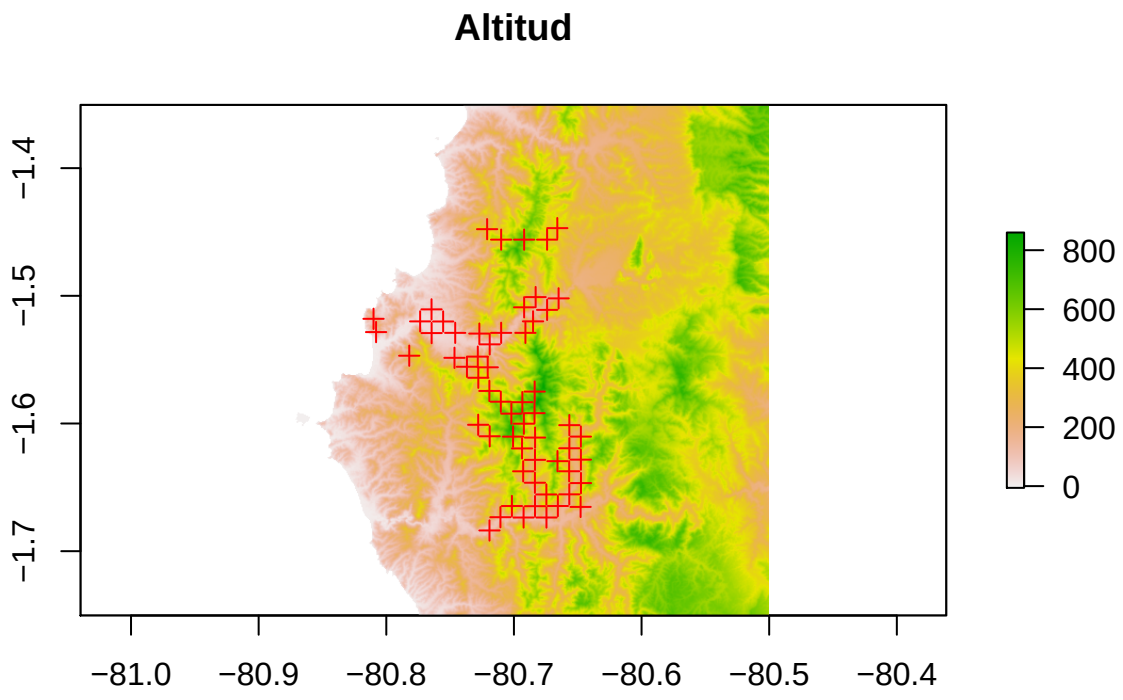
3 Covariables

Inicialmente se probó con cinco covariables para ajustar los modelos de ocupación. Estas cinco covariables fueron: Altitud (elev), Pendiente (slope) y Distancia a la carretera pavimentada (dis_rd) como covariables geográficas y altura del dosel, cobertura del dosel y área basal como covariables que se midieron momento de retirar las cámaras. Estas medidas se tomaron usando la metodología del cuadrante centrado en un punto.

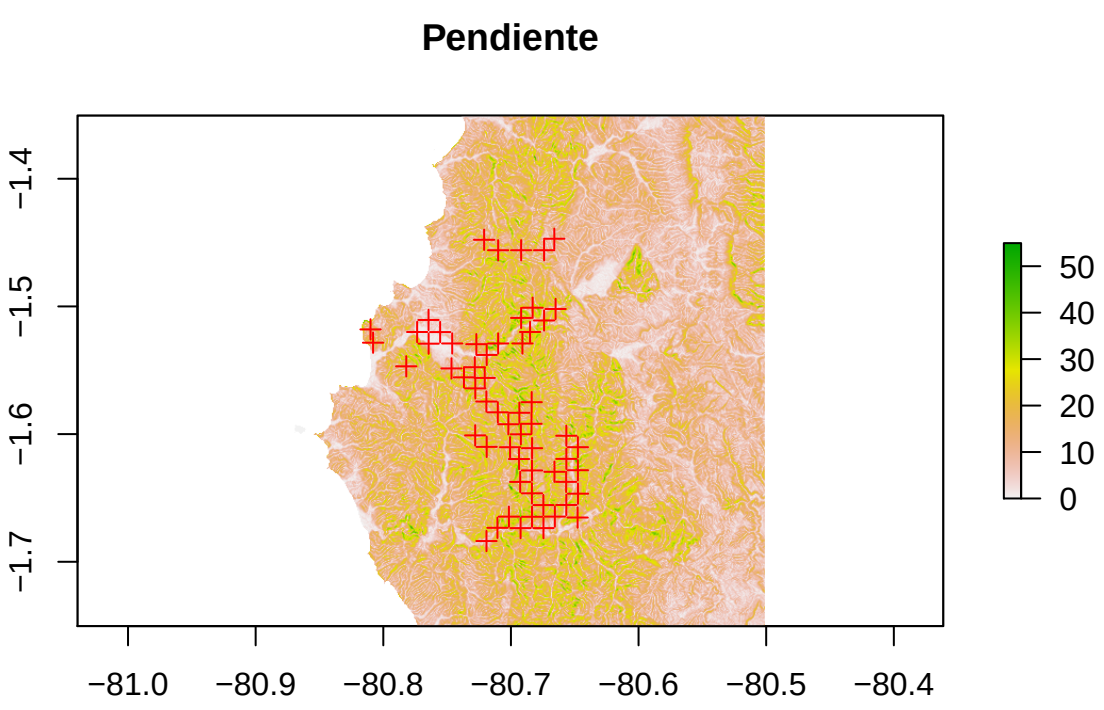
La Altitud se obtuvo de una imagen SRTM del repositorio de CGIAR. La pendiente se infirió a partir de la altitud y la distancia a las carreteras se obtuvo de un mapa del Ministerio del Medio Ambiente del Ecuador.

```
##
## Attaching package: 'raster'
##
## The following objects are masked from 'package:Hmisc':
##
##     mask, zoom
##
## The following object is masked from 'package:dplyr':
##
##     select
##
##
## Attaching package: 'dismo'
##
## The following object is masked from 'package:ggmap':
##
##     geocode
##
## Loading required package: parallel
## biomod2 3.1-64 loaded.
##
## Type browseVignettes(package='biomod2') to access directly biomod2 vignettes.
##
## Attaching package: 'biomod2'
##
## The following object is masked from 'package:dismo':
##
##     evaluate
##
##
## spatstat 1.42-2       (nickname: 'Barking at Balloons')
## For an introduction to spatstat, type 'beginner'
##
## Attaching package: 'spatstat'
##
## The following object is masked from 'package:dismo':
##
##     domain
##
## The following objects are masked from 'package:raster':
##
##     area, rotate, shift
##
## The following objects are masked from 'package:scales':
##
##     ordinal, rescale
##
## The following object is masked from 'package:Hmisc':
##
##     asNumericMatrix
##
```

```
## The following object is masked from 'package:lattice':
##
##     panel.histogram
```

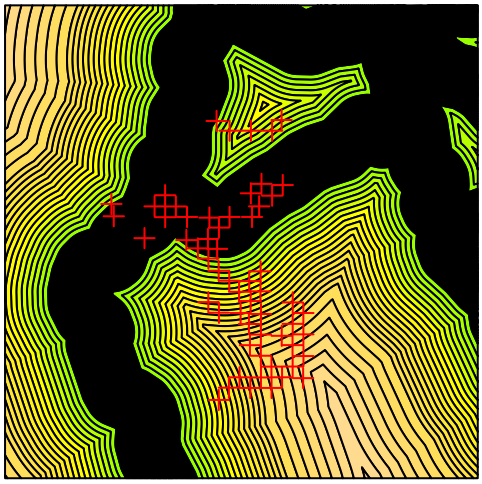


en color rojo se muestra donde se instalaron las camaras



en color rojo se muestra donde se instalaron las camaras

Distancia a las carreteras



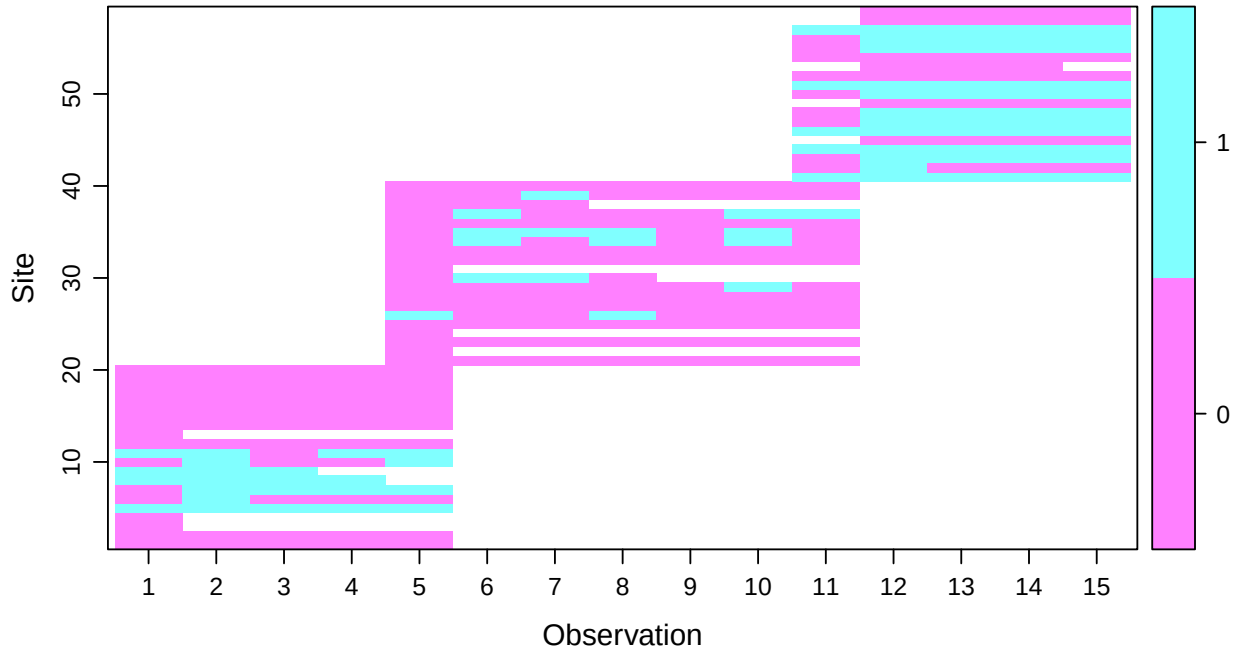
en color rojo se muestra donde se instalaron las camaras

4 Modelos de ocupacion por especie

4.1 La Cabra (*Capra aegagrus*)

4.1.1 Matriz de datos colapsada a 15 dias

```
## Loading required package: Rcpp
##
## Attaching package: 'unmarked'
##
## The following objects are masked from 'package:raster':
##
##     getData, projection
##
## The following object is masked from 'package:sp':
##
##     coordinates
```



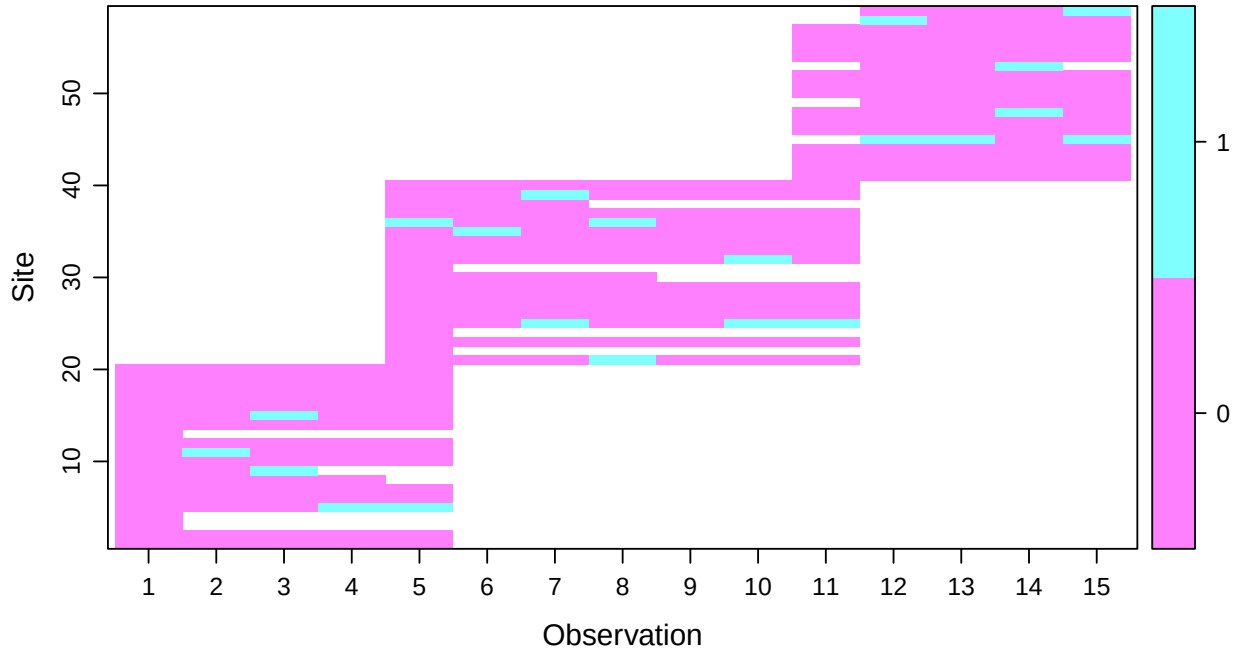
4.1.2 Seleccion de Modelos

[1] "Cabra aegagrus" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:02 2015

	Cabra aegagrus models	nPars	AIC	delta	AICwt	cumltvWt
9	p(basal_a)psi(elev)	4	246.00	0.00	0.66	0.66
10	p(basal_a)psi(canopy_c)	4	247.72	1.73	0.28	0.94
2	p(.)psi(elev)	3	252.23	6.24	0.03	0.96
11	p(.)psi(canopy_c)	3	253.89	7.90	0.01	0.98
5	p(elev)psi(elev)	4	254.10	8.11	0.01	0.99
8	p(basal_a)psi(.)	3	254.35	8.36	0.01	1.00
3	p(.)psi(slope)	3	260.95	14.96	0.00	1.00
1	p(.)psi(.)	2	260.96	14.96	0.00	1.00
6	p(elev)psi(slope)	4	262.67	16.68	0.00	1.00
4	p(.)psi(dist_rd)	3	272.40	26.40	0.00	1.00
7	p(elev)psi(dist_rd)	4	274.40	28.40	0.00	1.00

4.2 El Cabeza de Mate (*Eira barbara*)

4.2.1 Matriz de datos colapsada a 15 dias



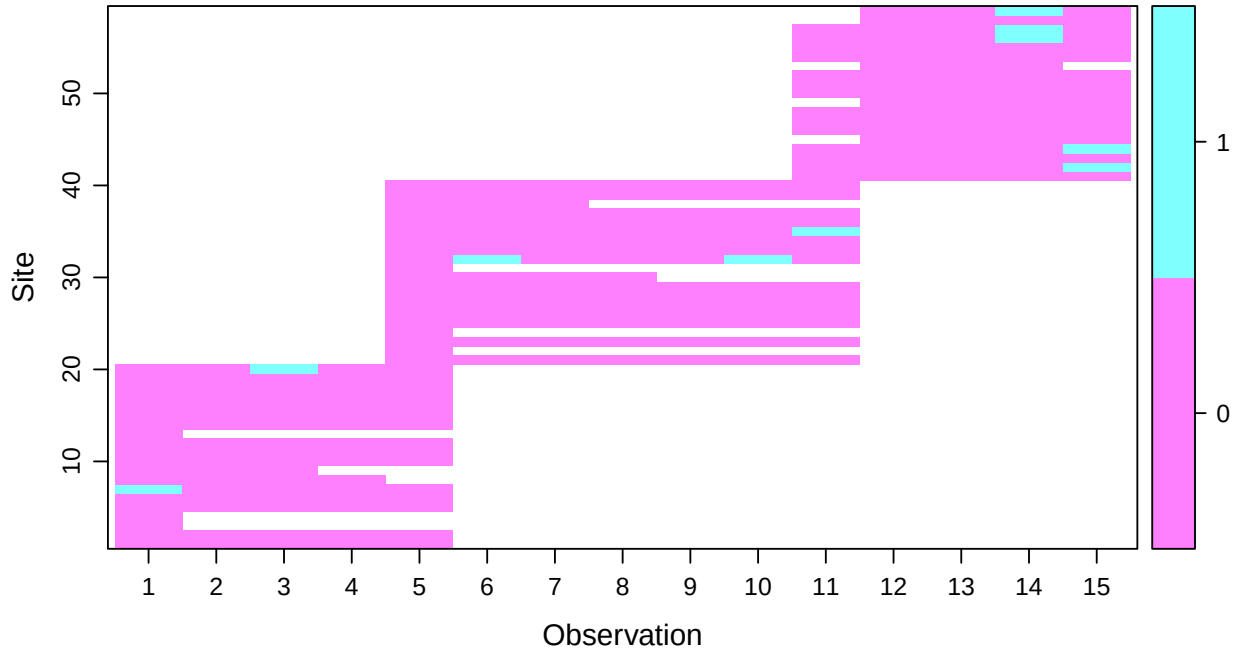
4.2.2 Seleccion de Modelos

[1] "Eira barbara" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:03 2015

	Eira barbara models	nPars	AIC	delta	AICwt	cumltvWt
1	p(.)psi(.)	2	150.37	0.00	0.25	0.25
3	p(.)psi(slope)	3	151.61	1.25	0.13	0.38
11	p(.)psi(canopy_c)	3	151.85	1.48	0.12	0.49
8	p(basal_a)psi(.)	3	151.98	1.61	0.11	0.60
2	p(.)psi(elev)	3	152.04	1.67	0.11	0.71
5	p(elev)psi(elev)	4	152.10	1.73	0.10	0.81
6	p(elev)psi(slope)	4	152.48	2.11	0.09	0.90
9	p(basal_a)psi(elev)	4	153.44	3.07	0.05	0.95
10	p(basal_a)psi(canopy_c)	4	153.66	3.29	0.05	1.00
7	p(elev)psi(dist_rd)	4	165.95	15.58	0.00	1.00
4	p(.)psi(dist_rd)	3	187.85	37.49	0.00	1.00

4.3 El tigrillo (*Leopardus wiedii*)

4.3.1 Matriz de datos colapsada a 15 dias



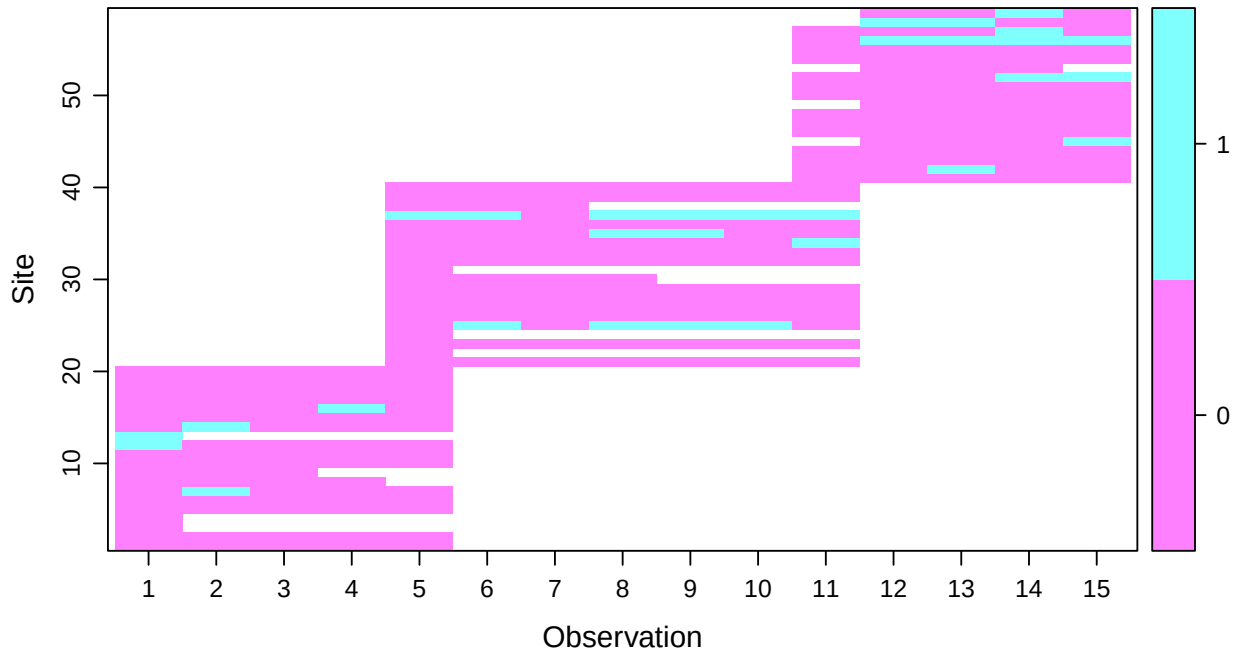
4.3.2 Seleccion de Modelos

[1] "Leopardus wiedii" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:04 2015

	Leopardus wiedii models	nPars	AIC	delta	AICwt	cumltvWt
3	p(.)psi(slope)	3	87.95	0.00	0.46	0.46
6	p(elev)psi(slope)	4	89.94	1.99	0.17	0.63
1	p(.)psi(.)	2	90.78	2.83	0.11	0.74
11	p(.)psi(canopy_c)	3	92.15	4.20	0.06	0.80
2	p(.)psi(elev)	3	92.50	4.55	0.05	0.85
8	p(basal_a)psi(.)	3	92.76	4.81	0.04	0.89
4	p(.)psi(dist_rd)	3	92.99	5.04	0.04	0.93
5	p(elev)psi(elev)	4	93.93	5.98	0.02	0.95
10	p(basal_a)psi(canopy_c)	4	94.12	6.17	0.02	0.97
9	p(basal_a)psi(elev)	4	94.47	6.52	0.02	0.99
7	p(elev)psi(dist_rd)	4	95.19	7.24	0.01	1.00

4.4 La vaca (*Bos primigenius*)

4.4.1 Matriz de datos colapsada a 15 dias



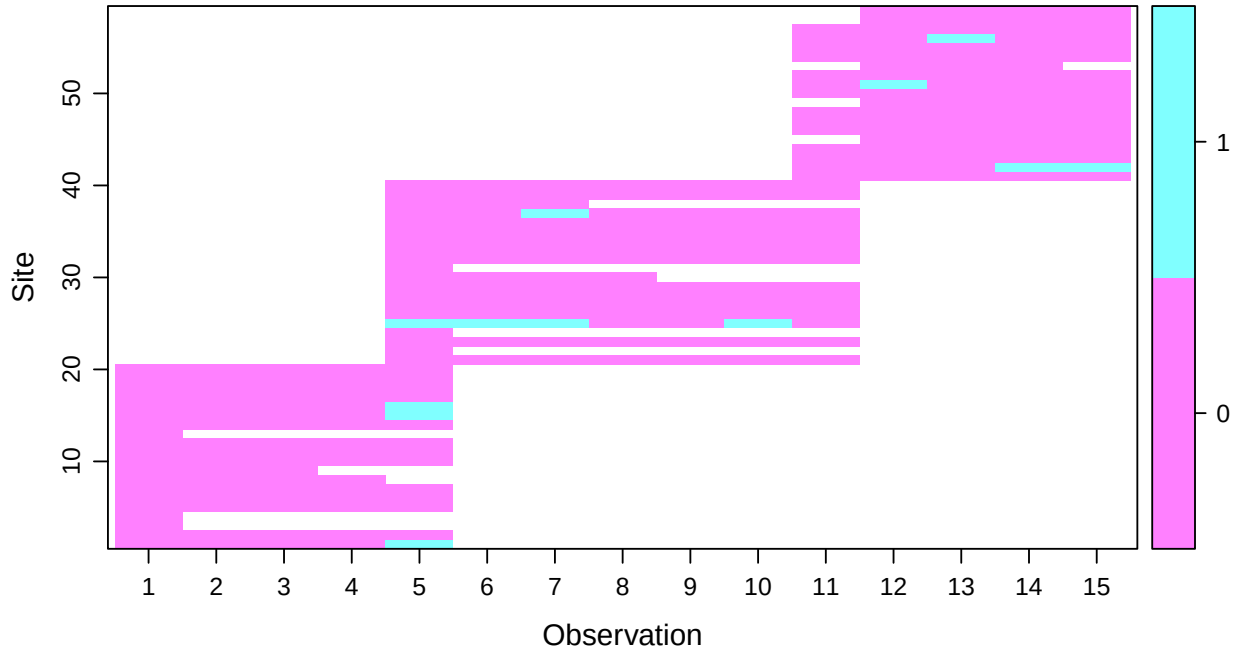
4.4.2 Seleccion de Modelos

[1] "Bos primigenius" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:04 2015

	Bos primigenius models	nPars	AIC	delta	AICwt	cumltvWt
10	p(basal_a)psi(canopy_c)	4	165.11	0.00	0.66	0.66
11	p(.)psi(canopy_c)	3	168.16	3.05	0.14	0.80
8	p(basal_a)psi(.)	3	169.85	4.74	0.06	0.86
3	p(.)psi(slope)	3	170.05	4.94	0.06	0.92
6	p(elev)psi(slope)	4	170.73	5.62	0.04	0.96
9	p(basal_a)psi(elev)	4	171.80	6.69	0.02	0.98
1	p(.)psi(.)	2	173.64	8.53	0.01	0.99
5	p(elev)psi(elev)	4	174.54	9.44	0.01	1.00
2	p(.)psi(elev)	3	175.54	10.44	0.00	1.00
4	p(.)psi(dist_rd)	3	193.49	28.38	0.00	1.00
7	p(elev)psi(dist_rd)	4	195.49	30.38	0.00	1.00

4.5 El Perro domestico (*Canis lupus*)

4.5.1 Matriz de datos colapsada a 15 dias



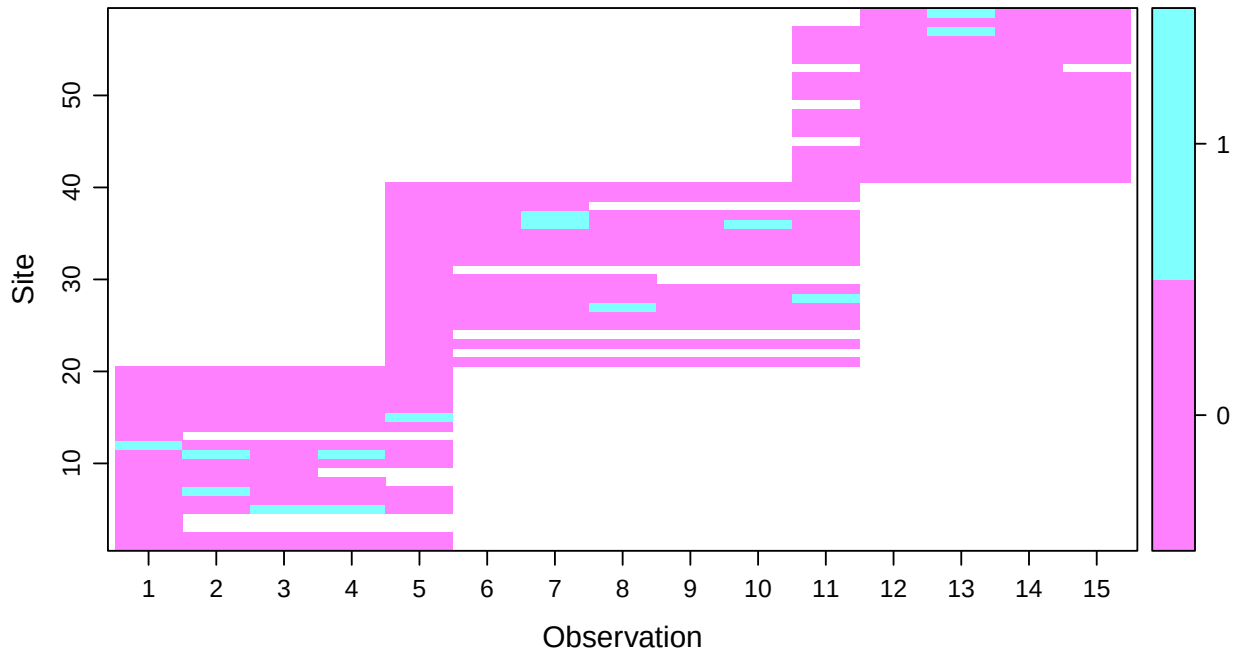
4.5.2 Seleccion de Modelos

[1] "Canis lupus" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:05 2015

	Canis lupus models	nPars	AIC	delta	AICwt	cumltvWt
6	p(elev)psi(slope)	4	88.69	0.00	0.82	0.82
3	p(.)psi(slope)	3	92.60	3.91	0.12	0.93
1	p(.)psi(.)	2	96.27	7.57	0.02	0.95
11	p(.)psi(canopy_c)	3	96.87	8.18	0.01	0.96
5	p(elev)psi(elev)	4	97.65	8.96	0.01	0.97
8	p(basal_a)psi(.)	3	97.90	9.21	0.01	0.98
10	p(basal_a)psi(canopy_c)	4	98.25	9.56	0.01	0.99
2	p(.)psi(elev)	3	98.26	9.57	0.01	0.99
9	p(basal_a)psi(elev)	4	99.90	11.21	0.00	1.00
4	p(.)psi(dist_rd)	3	100.64	11.94	0.00	1.00
7	p(elev)psi(dist_rd)	4	113.90	25.21	0.00	1.00

4.6 El Oso Hormiero (*Tamandua mexicana*)

4.6.1 Matriz de datos colapsada a 15 dias



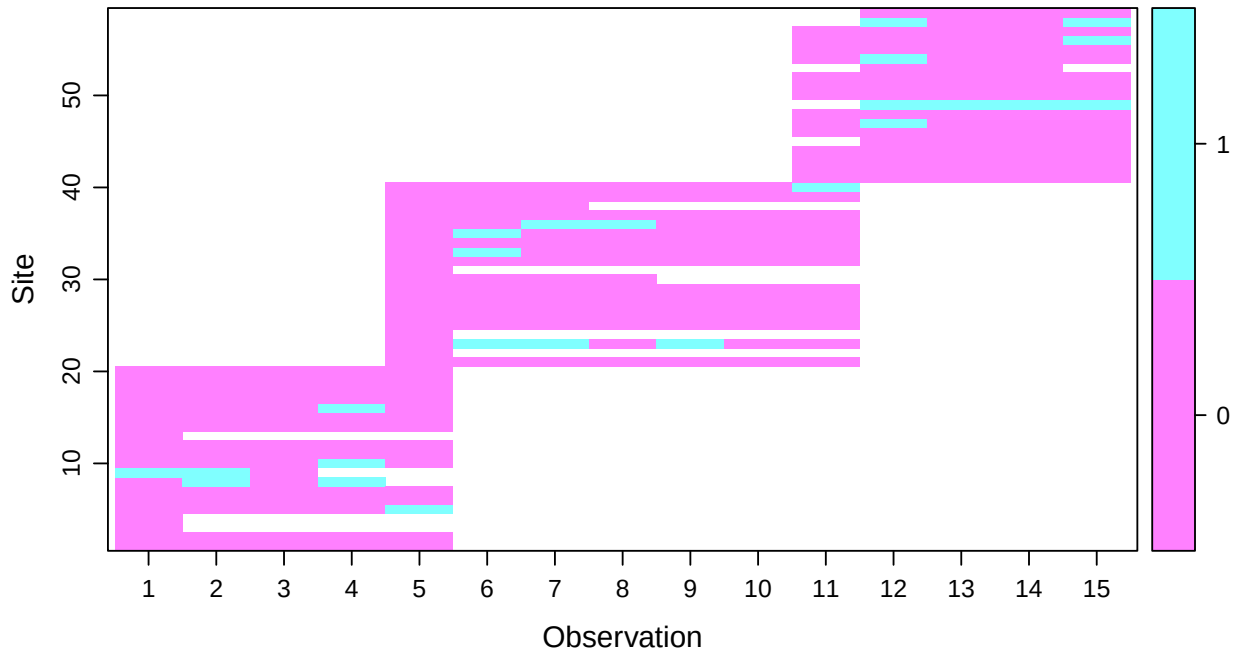
4.6.2 Seleccion de Modelos

[1] "Tamandua mexicana" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:05 2015

	Tamandua mexicana models	nPars	AIC	delta	AICwt	cumltvWt
1	p(.)psi(.)	2	114.37	0.00	0.23	0.23
11	p(.)psi(canopy_c)	3	114.46	0.08	0.22	0.45
2	p(.)psi(elev)	3	115.75	1.38	0.12	0.57
3	p(.)psi(slope)	3	116.37	2.00	0.09	0.65
8	p(basal_a)psi(.)	3	116.37	2.00	0.09	0.74
10	p(basal_a)psi(canopy_c)	4	116.37	2.00	0.09	0.82
4	p(.)psi(dist_rd)	3	117.33	2.95	0.05	0.88
5	p(elev)psi(elev)	4	117.47	3.10	0.05	0.93
9	p(basal_a)psi(elev)	4	117.76	3.38	0.04	0.97
6	p(elev)psi(slope)	4	118.38	4.00	0.03	1.00
7	p(elev)psi(dist_rd)	4	144.80	30.43	0.00	1.00

4.7 El Venado (*Odocoileus virginianus*)

4.7.1 Matriz de datos colapsada a 15 dias



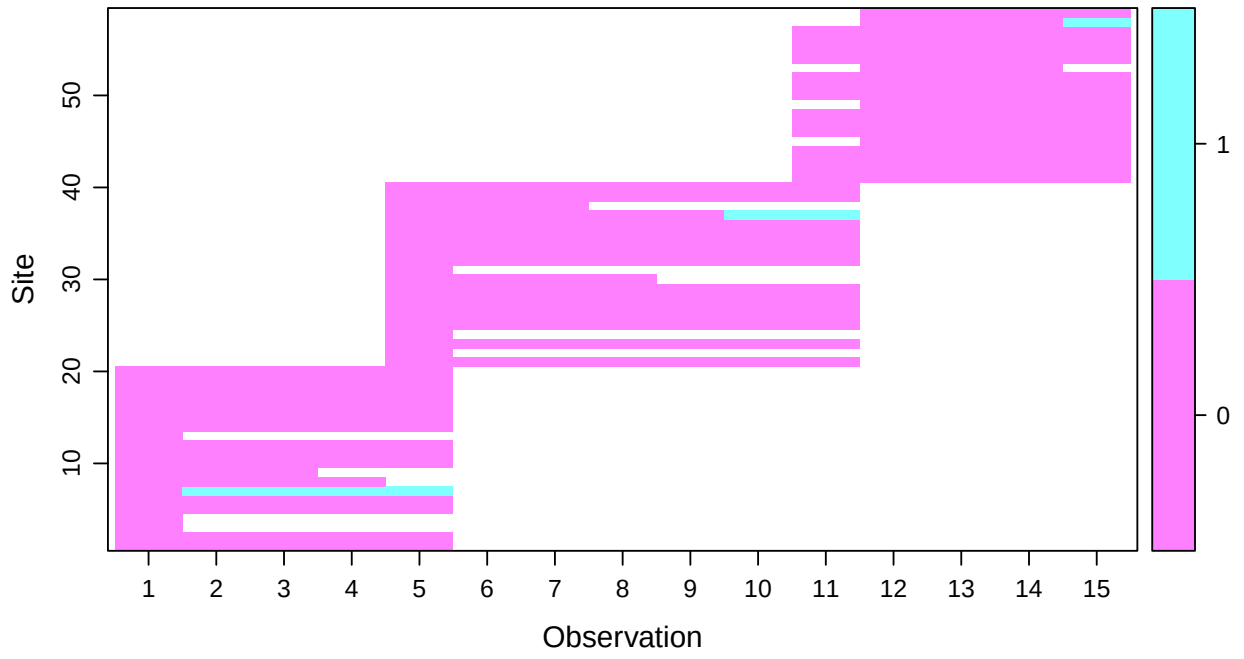
4.7.2 Seleccion de Modelos

[1] "Odocoileus virginianus" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:06 2015

	Odocoileus virginianus models	nPars	AIC	delta	AICwt	cumltvWt
9	p(basal_a)psi(elev)	4	154.44	0.00	0.31	0.31
6	p(elev)psi(slope)	4	155.72	1.28	0.16	0.47
5	p(elev)psi(elev)	4	155.77	1.33	0.16	0.63
2	p(.)psi(elev)	3	156.71	2.27	0.10	0.73
10	p(basal_a)psi(canopy_c)	4	156.87	2.43	0.09	0.82
8	p(basal_a)psi(.)	3	157.56	3.12	0.06	0.88
11	p(.)psi(canopy_c)	3	157.58	3.14	0.06	0.95
1	p(.)psi(.)	2	159.12	4.68	0.03	0.98
3	p(.)psi(slope)	3	159.84	5.40	0.02	1.00
7	p(elev)psi(dist_rd)	4	164.42	9.98	0.00	1.00
4	p(.)psi(dist_rd)	3	177.50	23.07	0.00	1.00

4.8 El Conejo (*Sylvilagus brasiliensis*)

4.8.1 Matriz de datos colapsada a 15 dias



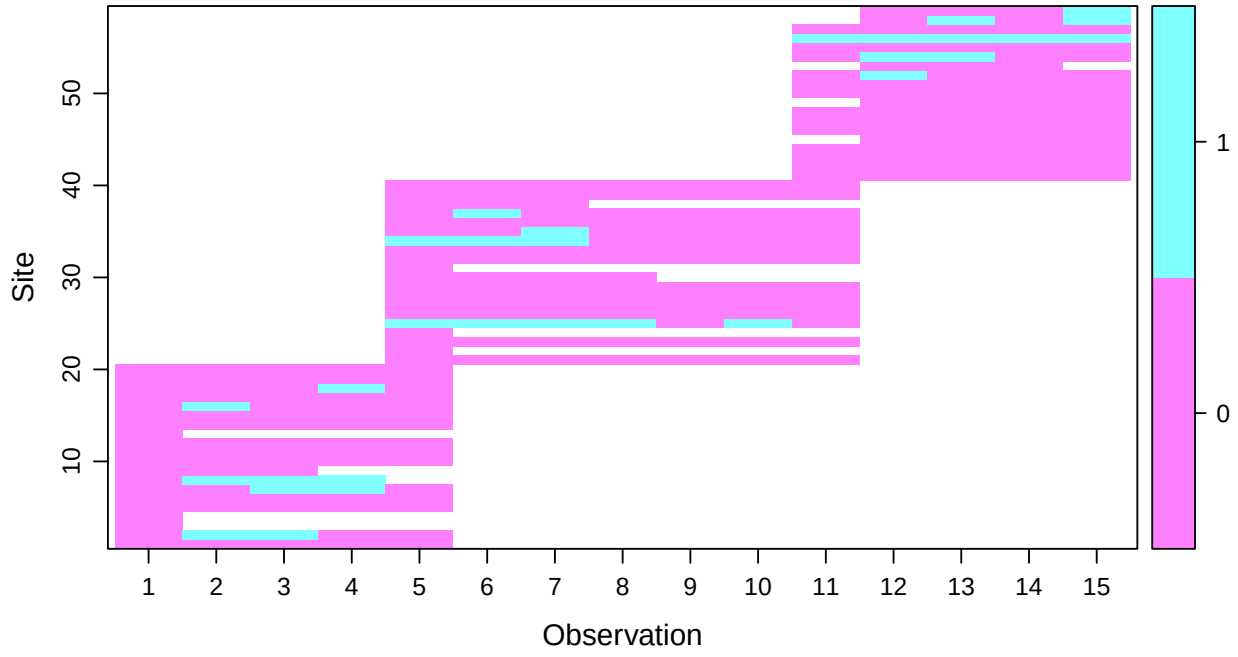
4.8.2 Seleccion de Modelos

[1] "Sylvilagus brasiliensis" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:07 2015

	Sylvilagus brasiliensis models	nPars	AIC	delta	AICwt	cumltvWt
6	p(elev)psi(slope)	4	42.92	0.00	0.46	0.46
5	p(elev)psi(elev)	4	44.29	1.37	0.23	0.69
3	p(.)psi(slope)	3	45.88	2.95	0.10	0.79
7	p(elev)psi(dist_rd)	4	46.22	3.30	0.09	0.88
2	p(.)psi(elev)	3	47.39	4.47	0.05	0.93
1	p(.)psi(.)	2	48.89	5.97	0.02	0.96
9	p(basal_a)psi(elev)	4	49.27	6.34	0.02	0.97
11	p(.)psi(canopy_c)	3	50.30	7.38	0.01	0.99
8	p(basal_a)psi(.)	3	50.76	7.84	0.01	1.00
10	p(basal_a)psi(canopy_c)	4	52.20	9.28	0.00	1.00
4	p(.)psi(dist_rd)	3	56.76	13.84	0.00	1.00

4.9 El Caballo (*Equus ferus*)

4.9.1 Matriz de datos colapsada a 15 dias



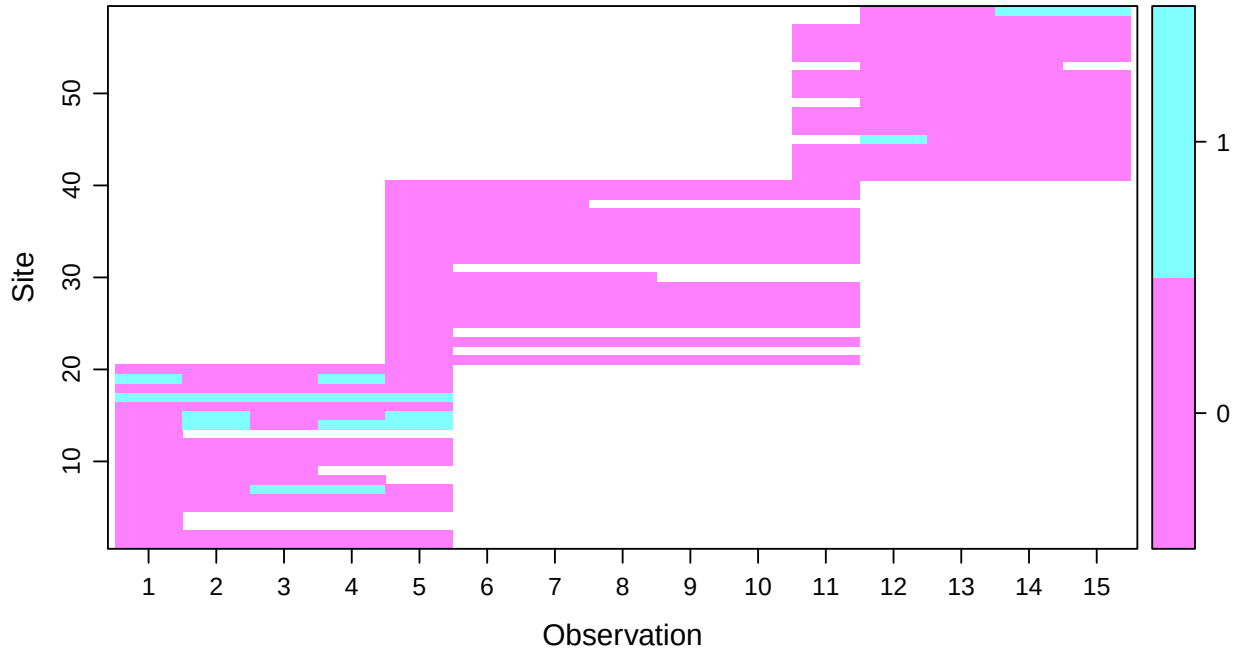
4.9.2 Seleccion de Modelos

[1] "Equus ferus" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:07 2015

	Equus ferus models	nPars	AIC	delta	AICwt	cumltvWt
3	p(.)psi(slope)	3	161.81	0.00	0.48	0.48
6	p(elev)psi(slope)	4	163.81	2.00	0.18	0.66
1	p(.)psi(.)	2	164.87	3.06	0.10	0.76
2	p(.)psi(elev)	3	166.03	4.23	0.06	0.82
11	p(.)psi(canopy_c)	3	166.15	4.35	0.05	0.88
8	p(basal_a)psi(.)	3	166.51	4.70	0.05	0.92
9	p(basal_a)psi(elev)	4	167.71	5.91	0.03	0.95
10	p(basal_a)psi(canopy_c)	4	167.86	6.06	0.02	0.97
5	p(elev)psi(elev)	4	168.02	6.22	0.02	0.99
4	p(.)psi(dist_rd)	3	170.82	9.02	0.01	1.00
7	p(elev)psi(dist_rd)	4	173.54	11.73	0.00	1.00

4.10 La Guanta (*Cuniculus paca*)

4.10.1 Matriz de datos colapsada a 15 dias



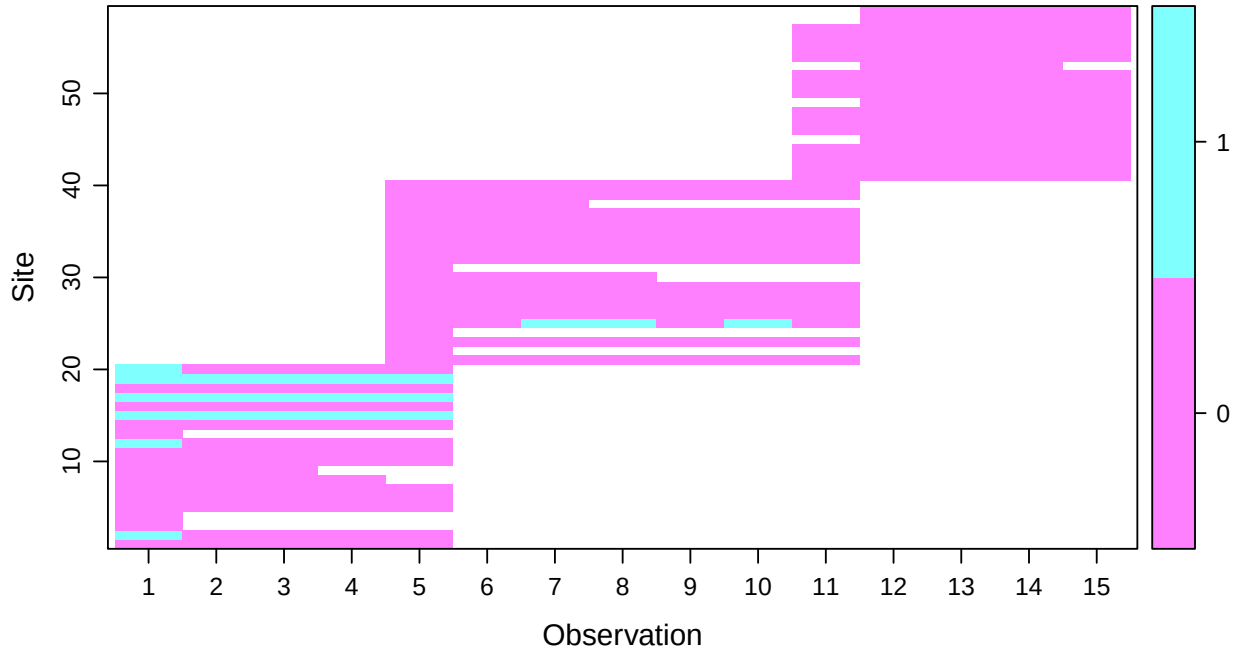
4.10.2 Seleccion de Modelos

[1] "Cuniculus paca" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:08 2015

	Cuniculus paca models	nPars	AIC	delta	AICwt	cumltvWt
11	p(.)psi(canopy_c)	3	80.27	0.00	0.65	0.65
10	p(basal_a)psi(canopy_c)	4	81.61	1.34	0.33	0.98
2	p(.)psi(elev)	3	89.99	9.72	0.01	0.99
5	p(elev)psi(elev)	4	90.73	10.46	0.00	0.99
9	p(basal_a)psi(elev)	4	90.77	10.50	0.00	0.99
1	p(.)psi(.)	2	91.48	11.21	0.00	1.00
8	p(basal_a)psi(.)	3	92.45	12.17	0.00	1.00
3	p(.)psi(slope)	3	93.42	13.15	0.00	1.00
6	p(elev)psi(slope)	4	93.72	13.44	0.00	1.00
4	p(.)psi(dist_rd)	3	105.21	24.94	0.00	1.00
7	p(elev)psi(dist_rd)	4	107.14	26.86	0.00	1.00

4.11 La Guatusa (*Dasyprocta punctata*)

4.11.1 Matriz de datos colapsada a 15 dias



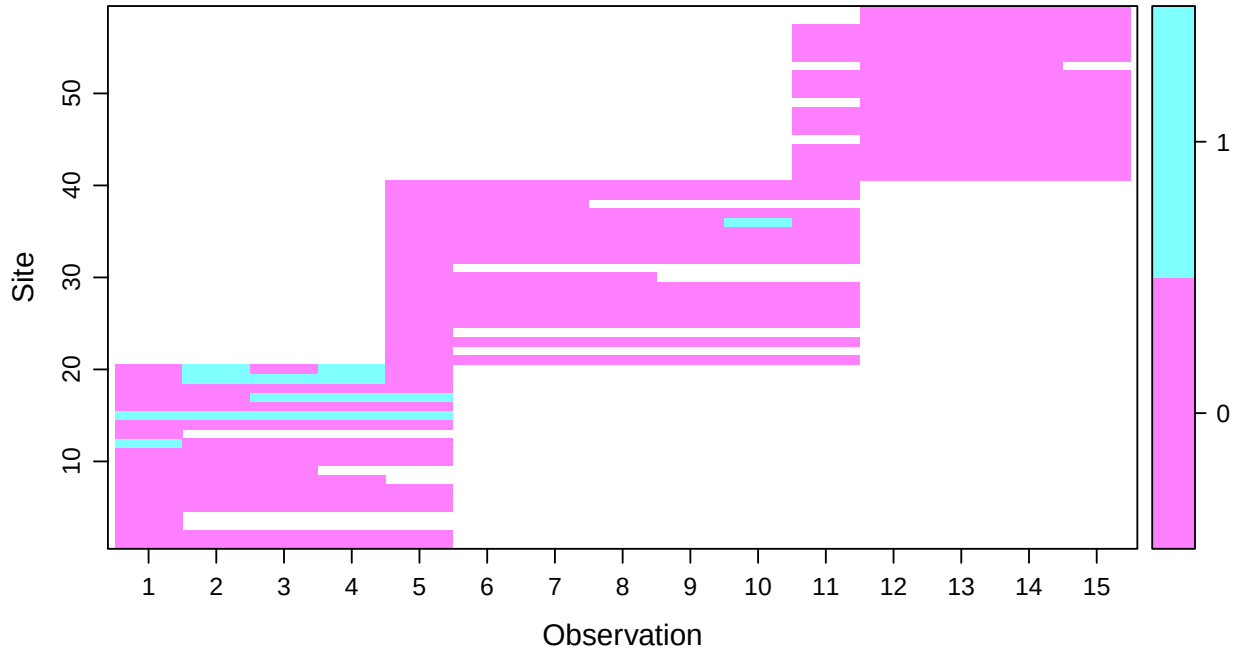
4.11.2 Seleccion de Modelos

[1] "Dasyprocta punctata" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:09 2015

	Dasyprocta punctata models	nPars	AIC	delta	AICwt	cumltvWt
5	p(elev)psi(elev)	4	61.05	0.00	0.63	0.63
6	p(elev)psi(slope)	4	62.89	1.84	0.25	0.88
9	p(basal_a)psi(elev)	4	65.40	4.35	0.07	0.96
2	p(.)psi(elev)	3	66.36	5.30	0.04	1.00
10	p(basal_a)psi(canopy_c)	4	86.18	25.12	0.00	1.00
11	p(.)psi(canopy_c)	3	87.33	26.28	0.00	1.00
8	p(basal_a)psi(.)	3	95.40	34.34	0.00	1.00
3	p(.)psi(slope)	3	95.64	34.58	0.00	1.00
1	p(.)psi(.)	2	96.63	35.57	0.00	1.00
4	p(.)psi(dist_rd)	3	112.14	51.09	0.00	1.00
7	p(elev)psi(dist_rd)	4	113.28	52.23	0.00	1.00

4.12 El Pecari (*Pecari tajacu*)

4.12.1 Matriz de datos colapsada a 15 dias



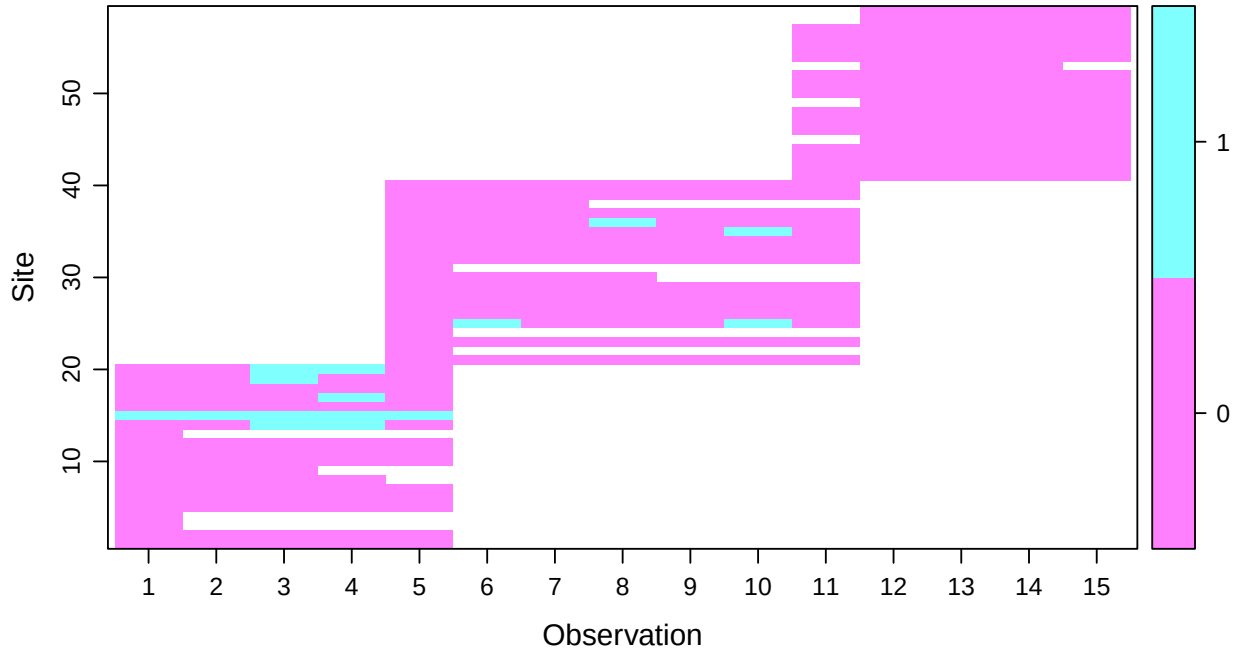
4.12.2 Seleccion de Modelos

[1] "Pecari tajacu" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:09 2015

	Pecari tajacu models	nPars	AIC	delta	AICwt	cumltvWt
6	p(elev)psi(slope)	4	59.65	0.00	0.72	0.72
5	p(elev)psi(elev)	4	61.60	1.95	0.27	1.00
2	p(.)psi(elev)	3	70.85	11.19	0.00	1.00
9	p(basal_a)psi(elev)	4	72.84	13.19	0.00	1.00
11	p(.)psi(canopy_c)	3	80.60	20.95	0.00	1.00
10	p(basal_a)psi(canopy_c)	4	82.60	22.95	0.00	1.00
3	p(.)psi(slope)	3	82.84	23.18	0.00	1.00
1	p(.)psi(.)	2	85.71	26.06	0.00	1.00
8	p(basal_a)psi(.)	3	87.71	28.06	0.00	1.00
7	p(elev)psi(dist_rd)	4	94.06	34.41	0.00	1.00
4	p(.)psi(dist_rd)	3	104.31	44.66	0.00	1.00

4.13 El Armadillo (*Dasypus novemcinctus*)

4.13.1 Matriz de datos colapsada a 15 dias



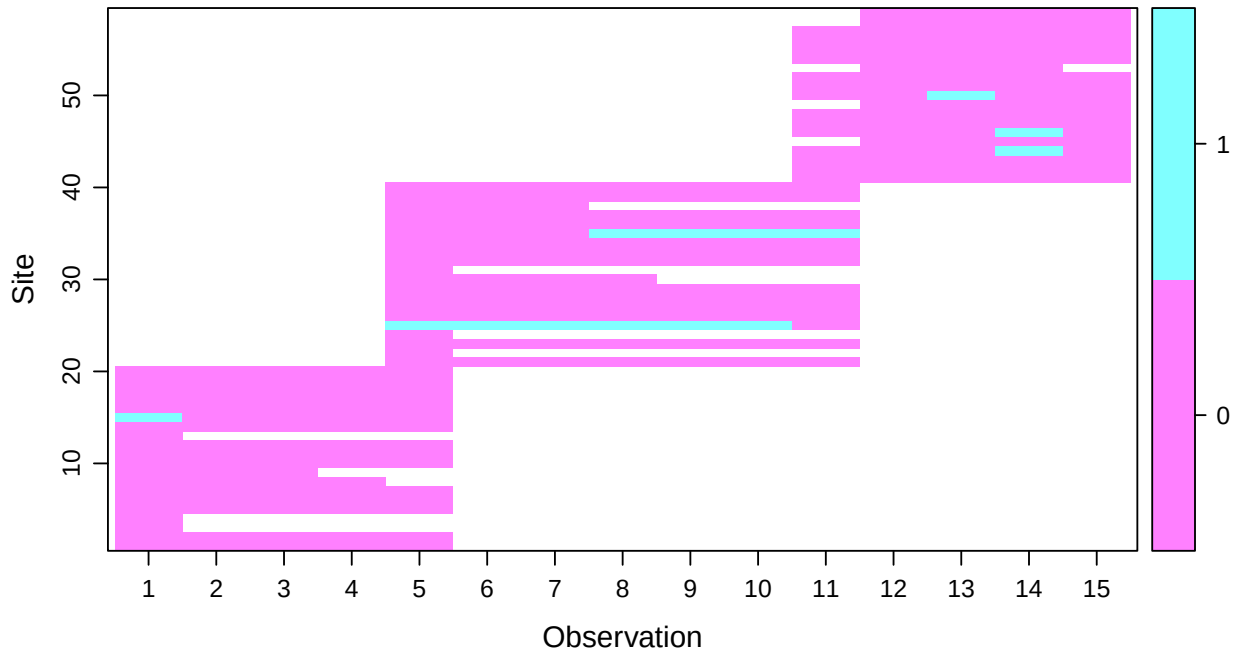
4.13.2 Seleccion de Modelos

[1] "Dasypus novemcinctus" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:10 2015

	Dasypus novemcinctus models	nPars	AIC	delta	AICwt	cumltvWt
5	p(elev)psi(elev)	4	94.24	0.00	0.43	0.43
6	p(elev)psi(slope)	4	94.70	0.46	0.34	0.77
2	p(.)psi(elev)	3	96.74	2.50	0.12	0.89
9	p(basal_a)psi(elev)	4	97.59	3.35	0.08	0.97
11	p(.)psi(canopy_c)	3	100.71	6.47	0.02	0.99
10	p(basal_a)psi(canopy_c)	4	102.09	7.85	0.01	1.00
1	p(.)psi(.)	2	104.75	10.51	0.00	1.00
8	p(basal_a)psi(.)	3	106.02	11.78	0.00	1.00
3	p(.)psi(slope)	3	106.32	12.08	0.00	1.00
4	p(.)psi(dist_rd)	3	117.36	23.12	0.00	1.00
7	p(elev)psi(dist_rd)	4	128.78	34.54	0.00	1.00

4.14 La Ardilla de Guayaquil (*Sciurus stramineus*)

4.14.1 Matriz de datos colapsada a 15 dias



4.14.2 Seleccion de Modelos

[1] "Sciurus stramineus" % latex table generated in R 3.2.2 by xtable 1.7-4 package % Tue Sep 29 11:19:11 2015

	Sciurus stramineus models	nPars	AIC	delta	AICwt	cumltvWt
1	p(.)psi(.)	2	87.05	0.00	0.24	0.24
8	p(basal_a)psi(.)	3	87.92	0.86	0.16	0.40
2	p(.)psi(elev)	3	88.12	1.07	0.14	0.54
11	p(.)psi(canopy_c)	3	88.81	1.75	0.10	0.64
9	p(basal_a)psi(elev)	4	88.84	1.79	0.10	0.74
3	p(.)psi(slope)	3	88.90	1.85	0.10	0.83
10	p(basal_a)psi(canopy_c)	4	89.60	2.55	0.07	0.90
5	p(elev)psi(elev)	4	89.94	2.89	0.06	0.96
6	p(elev)psi(slope)	4	90.56	3.50	0.04	1.00
4	p(.)psi(dist_rd)	3	102.64	15.58	0.00	1.00
7	p(elev)psi(dist_rd)	4	104.51	17.46	0.00	1.00