

# Results

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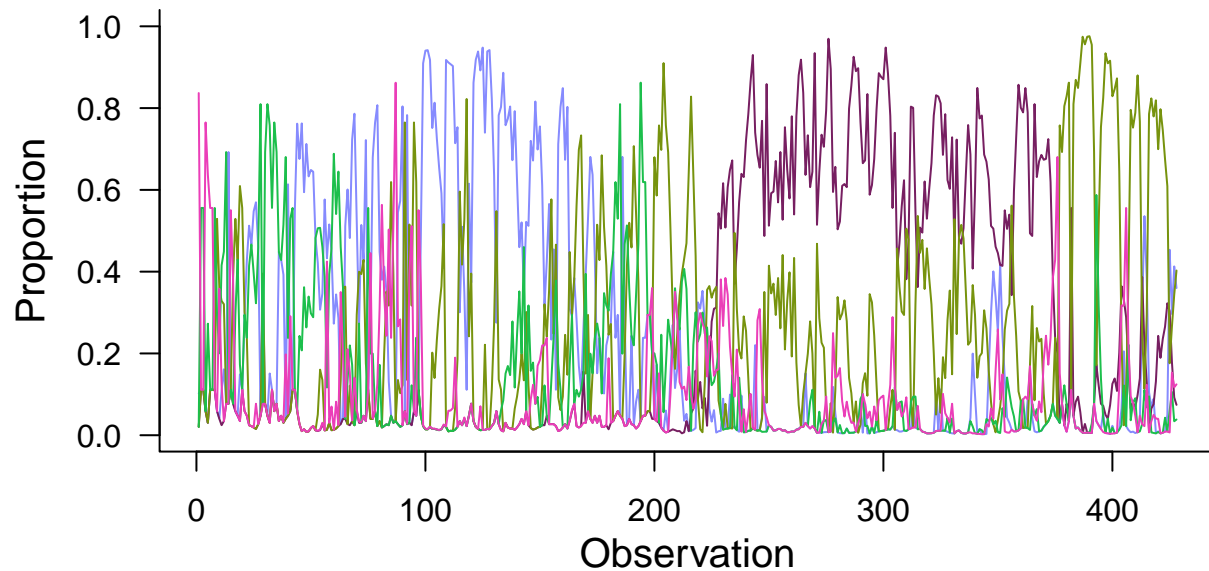
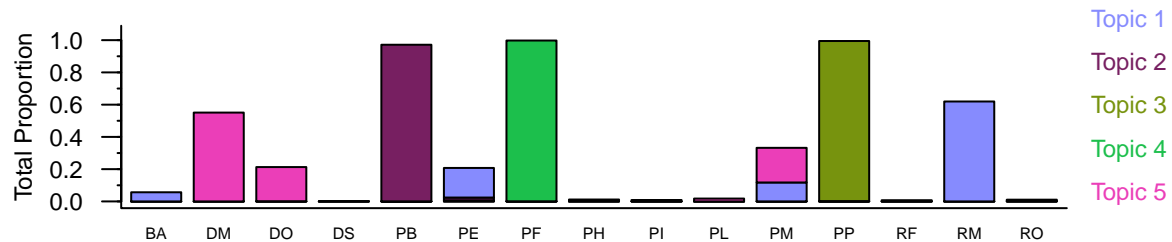
*5/30/2018*

## Exclosure plots

Granivores only, fewer plots (4), full time series.

```
load('models/excl_time_gran.Rdata')
```

LDA model:



Changepoint model:

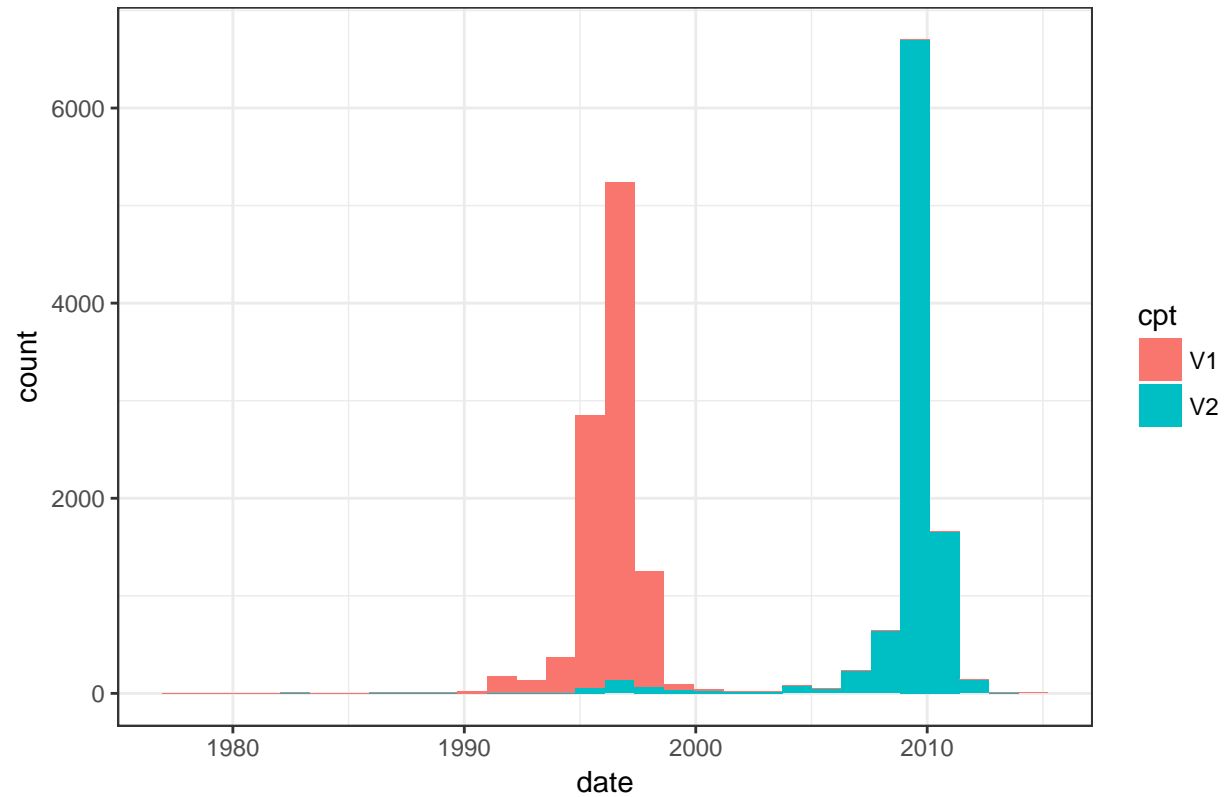
##	Mean	Median	Lower	Upper	SD	MCMCerr	AC10	ESS
## Changepoint_1	219.24	224	185	242	18.6	0.1869	0.2304	595.5178
## Changepoint_2	368.31	375	326	400	28.9	0.2905	0.3492	316.6409

Here are some more diagnostics:

```
## $acceptance_rates
## [1] 0.5480808 0.8333333 0.9108081 0.9355556 0.9440404 0.9434343
##
## $swapping_rates
## [1] 0.1996970 0.5481818 0.8009091 0.9240404 0.9578788
##
## $trip_counts
```

```
## [1] 96 105 105 93 97 87
##
## $strip_rates
## [1] 0.009696970 0.010606061 0.010606061 0.009393939 0.009797980 0.008787879
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

### Changepoint estimates – exclosures

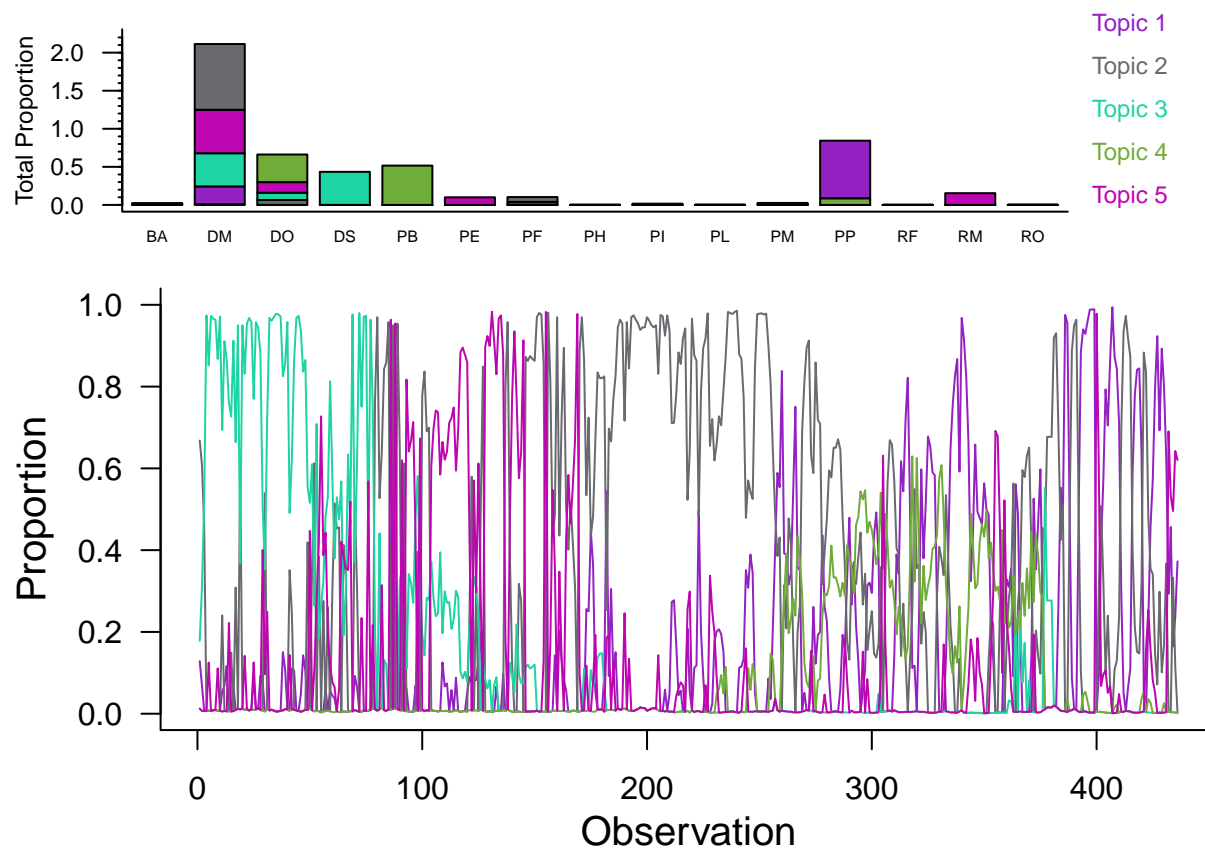


## Control plots

Granivores only, fewer plots (4), full time series.

```
load('models/ctrl_time_gran.Rdata')
```

LDA model:

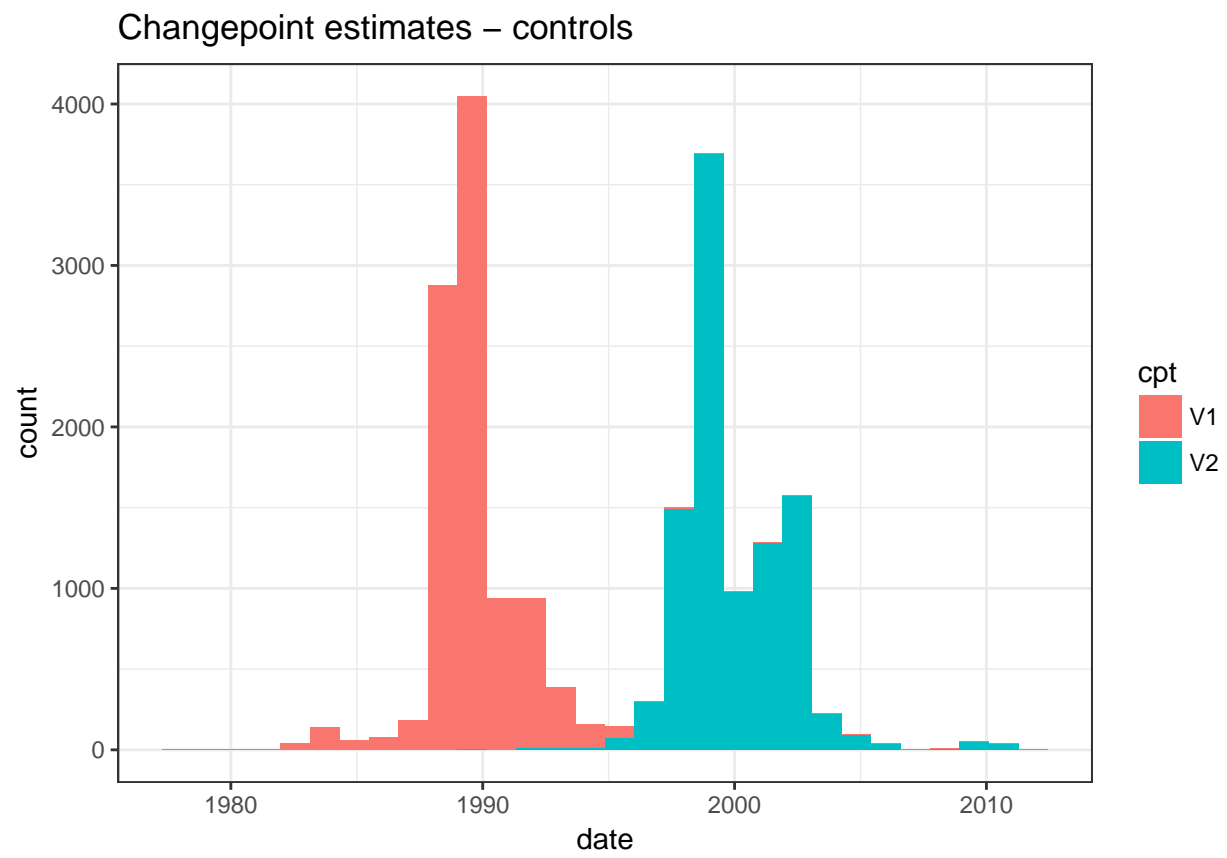


Changepoint model:

```
##           Mean Median Lower Upper    SD MCMCerr  AC10      ESS
## Changepoint_1 146.59   145   108   193 20.67  0.2077 0.1130 1173.4583
## Changepoint_2 266.10   259   233   313 23.59  0.2371 0.1794  716.1593
```

Here are some more diagnostics:

```
## $acceptance_rates
## [1] 0.6030303 0.8361616 0.9162626 0.9341414 0.9427273 0.9430303
##
## $swapping_rates
## [1] 0.3097980 0.5561616 0.7623232 0.8917172 0.9348485
##
## $trip_counts
## [1] 133 122 155 151 139 143
##
## $trip_rates
## [1] 0.01343434 0.01232323 0.01565657 0.01525253 0.01404040 0.01444444
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



Changepoint estimates

