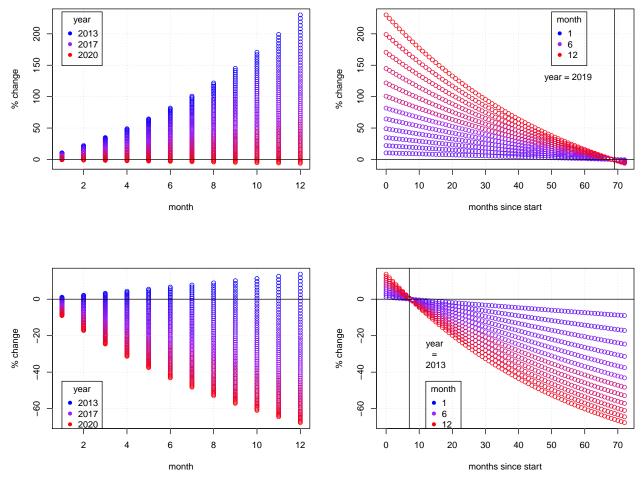
Wing Effects

Anastasia Bernat

8/14/2021

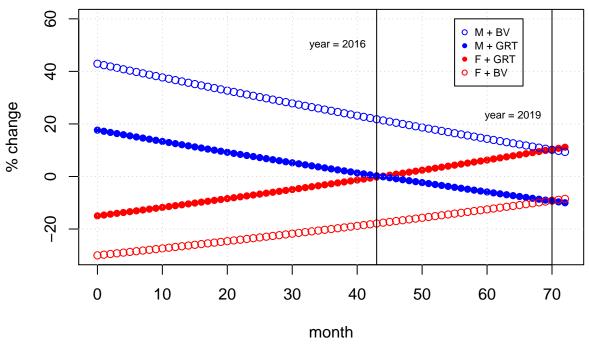
```
MOY_coeff = 0.0995560*1
\#sex\_coeff = -0.2597900*-1
inter_coeff = -0.0014557*69*1
model = MOY_coeff + inter_coeff
beta = model
per_change = (exp(beta) - 1) * 100
per_change # year over powers the months_since_start for the first month, but for all other months, sea
## [1] -0.08869065
# plot this interaction...(1-12 for MOY_coeff and 0-72 for the year coeff)
intercept = 0.7516501
MOY_coeff = 0.0995560*1
sex_coeff = -0.2597900*-1
host_coeff = 1.1256358
inter_coeff = -0.0014557*72*1
model = MOY_coeff + inter_coeff
beta = host_coeff #+ intercept
per_change = (exp(beta) - 1) * 100
per_change # year over powers the months_since_start for the first month, but for all other months, sea
## [1] 208.2176
# plot this interaction...(1-12 for MOY_coeff and 0-72 for the year coeff)
```



Less likely in later months than early months for LATER YEARS But more likely in later months than early months for EARLY YEARS

EARLY YEAR meant that LATE MONTH had most likely chance of being long winged BUT that ended soon after 2013 where across all months saw a decrease in long-wing morph appearance but you had the least decrease if you were in the early months.

[1] 4.178251



[1] 3.866839

