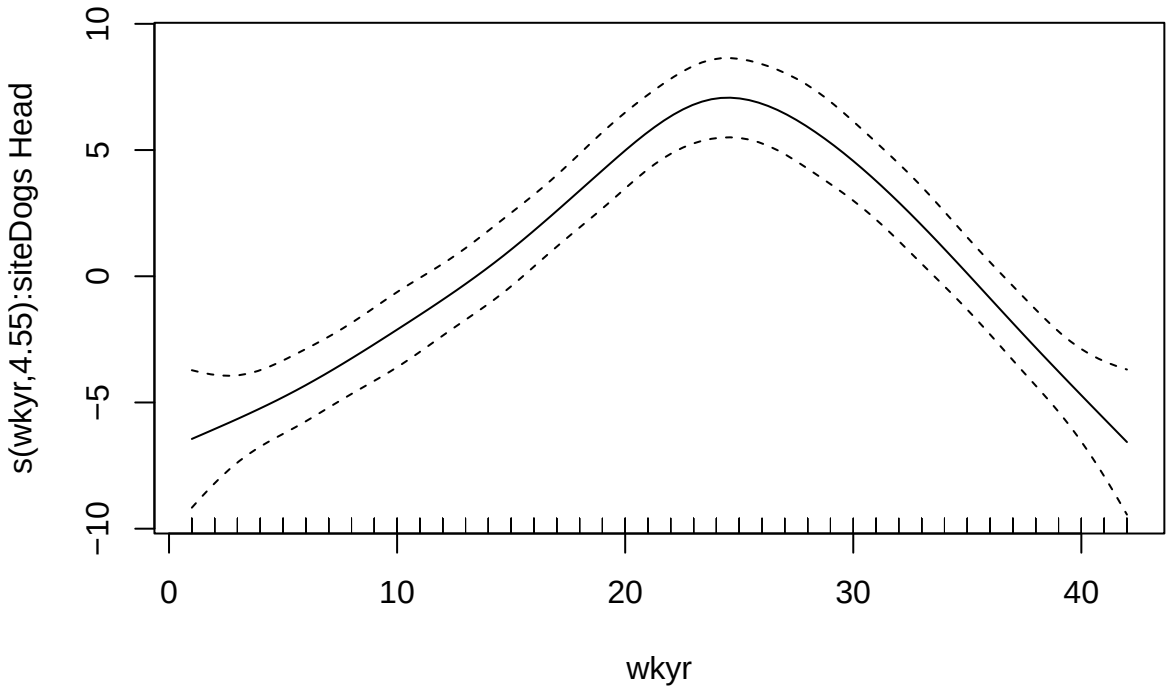
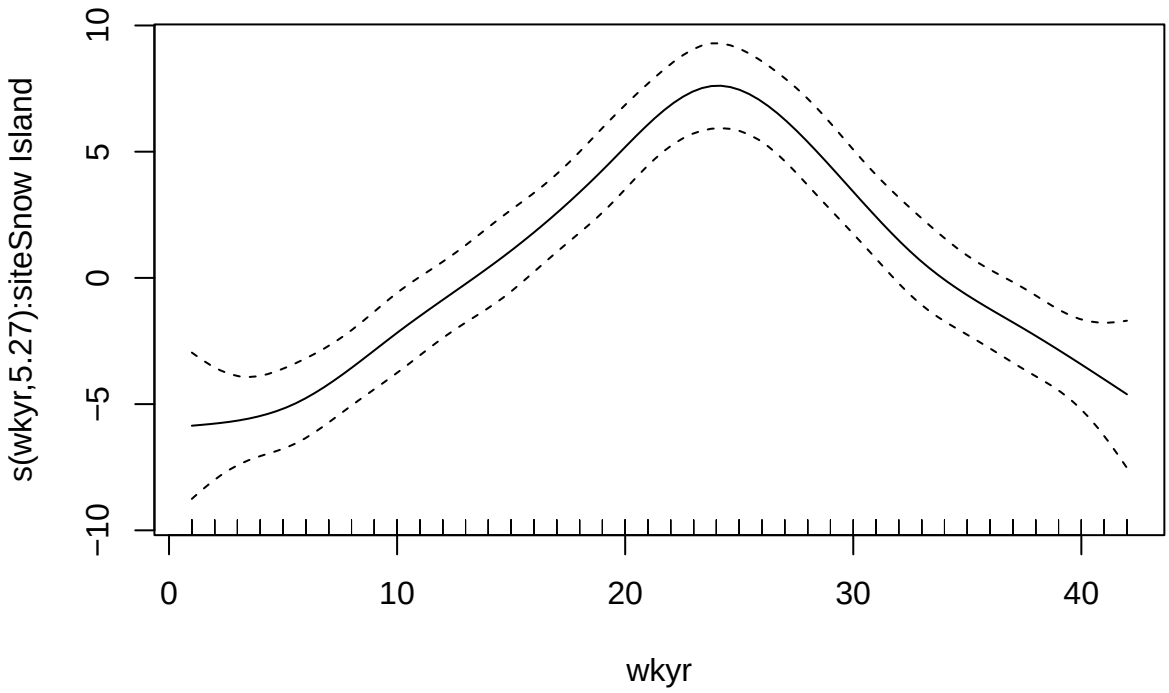
Oyster Condition Index 2024

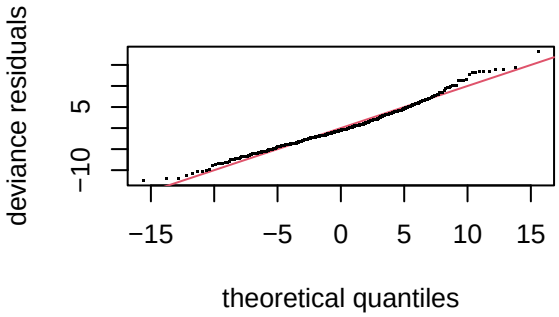
Katie Lankowicz

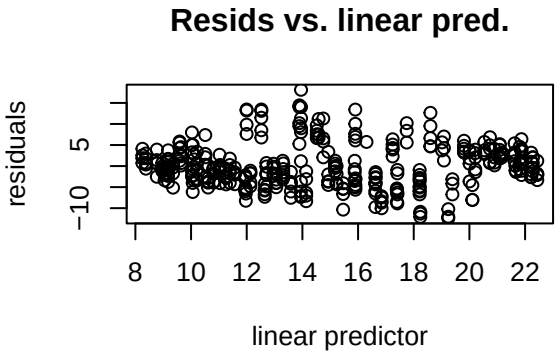
06 August, 2024

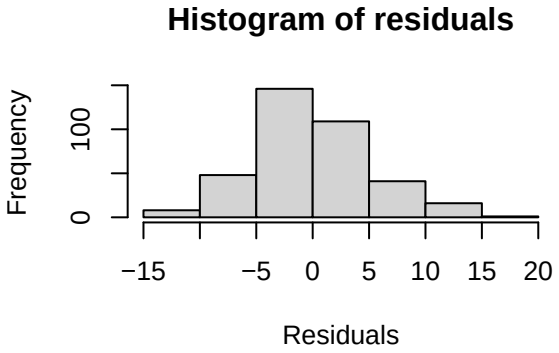
Contents

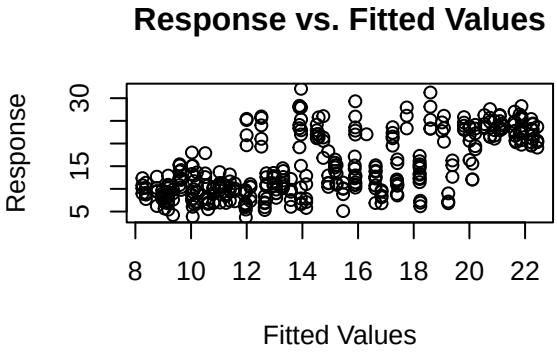



s(wkyr,5.27):siteSnow Island
10
5
0
−5
−10
0
10
20
30
40
wkyr

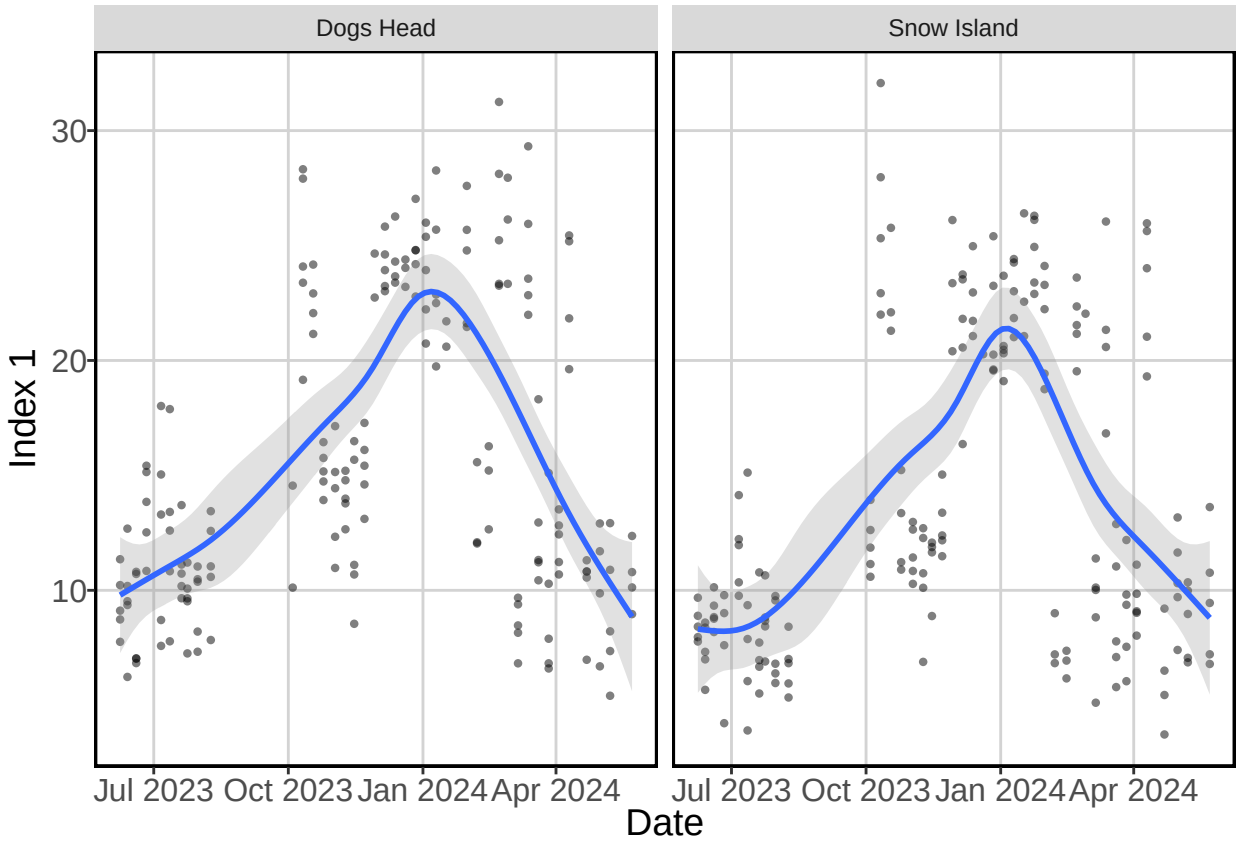


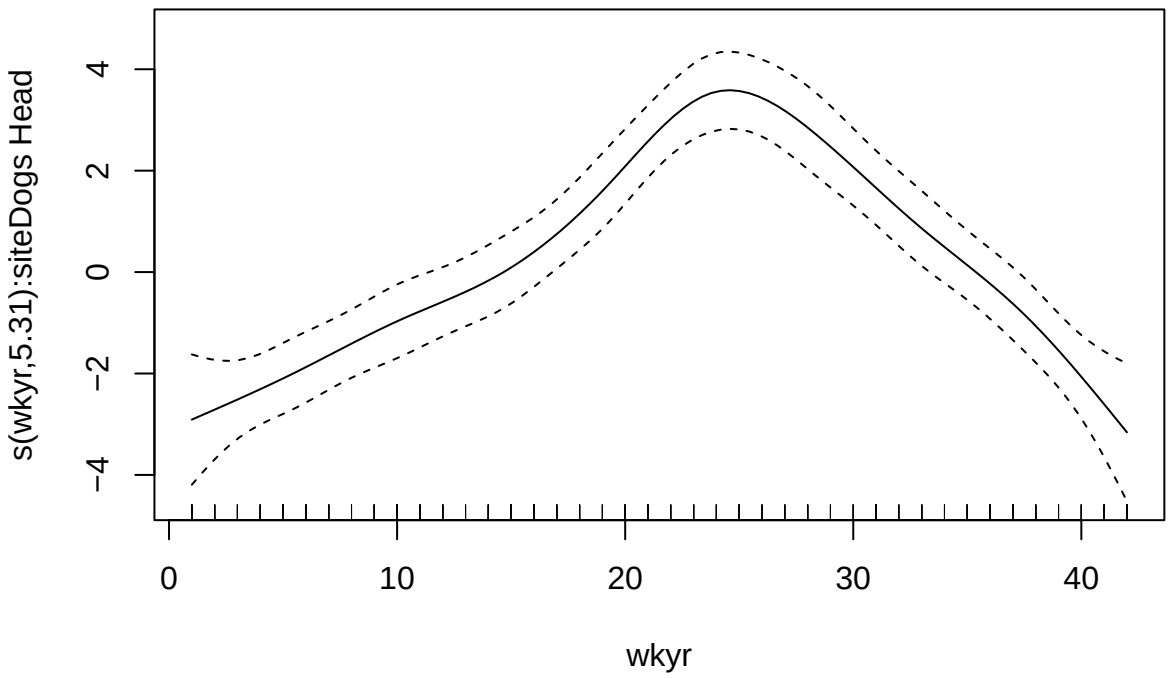


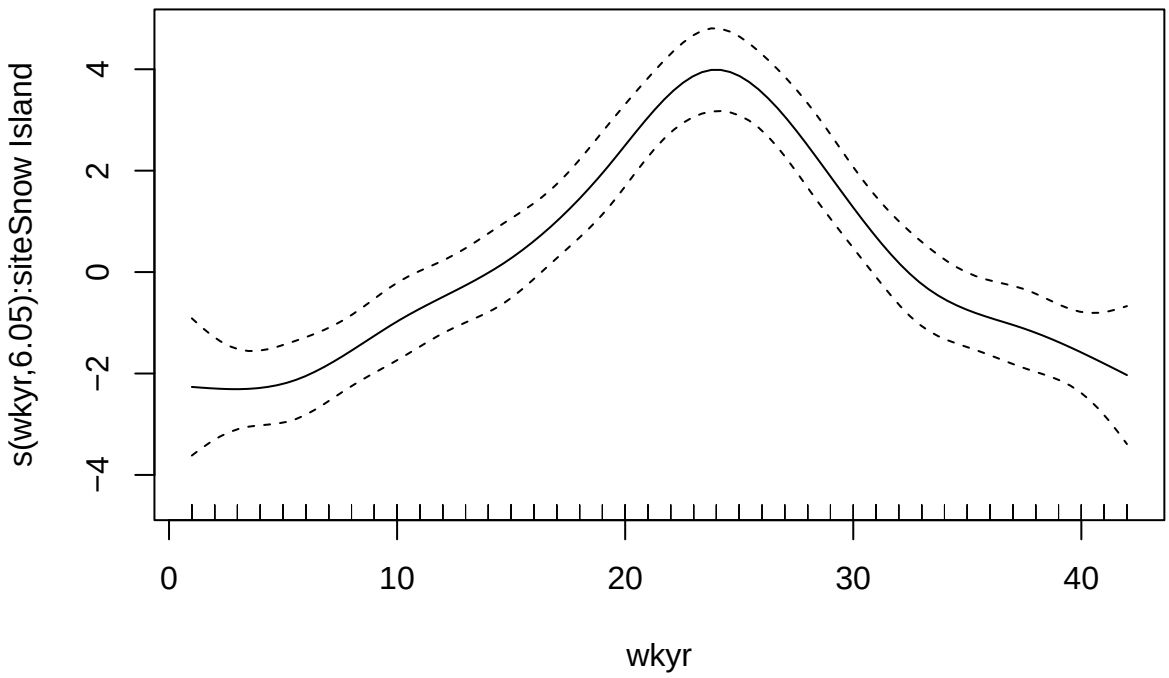


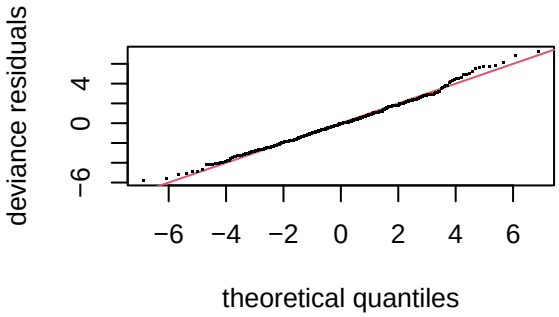


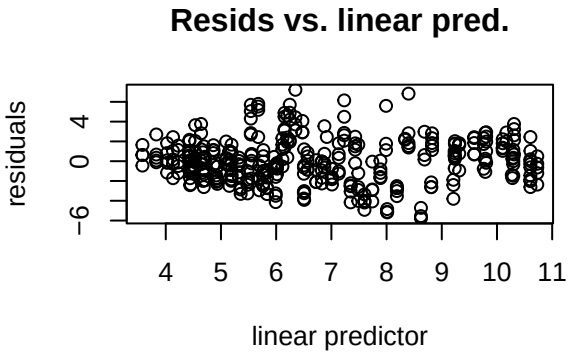

```
##
## Method: REML   Optimizer: outer newton
## full convergence after 5 iterations.
## Gradient range [-0.0001064016,1.359865e-06]
## (score 1148.98 & scale 27.00972).
## Hessian positive definite, eigenvalue range [1.045244,184.0663].
## Model rank =  19 / 19
##
## Basis dimension (k) checking results. Low p-value (k-index<1) may
## indicate that k is too low, especially if edf is close to k'.
##
##                            k'  edf k-index p-value
## s(wkyr):siteDogs Head   9.00 4.55    0.29  <2e-16 ***
## s(wkyr):siteSnow Island 9.00 5.27    0.29  <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

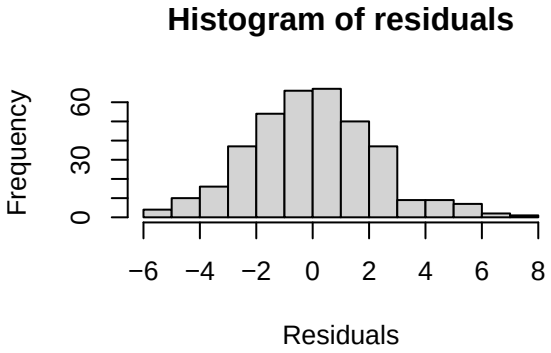

Dogs Head
Snow Island
Index 1
30
20
10
Jul 2023
Oct 2023
Jan 2024
Apr 2024
Date

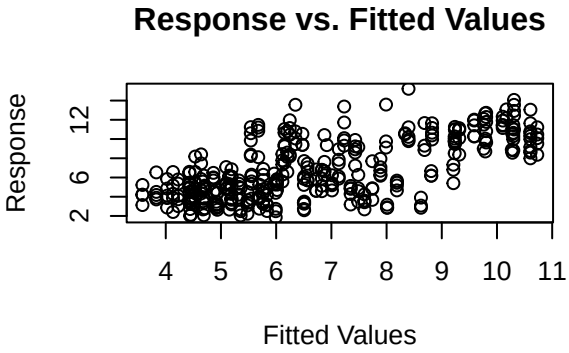

s(wkyr,5.31):siteDogs Head
4
2
0
−2
−4
0
10
20
30
40
wkyr


s(wkyr,6.05):siteSnow Island
4
2
0
−2
−4
0
10
20
30
40
wkyr

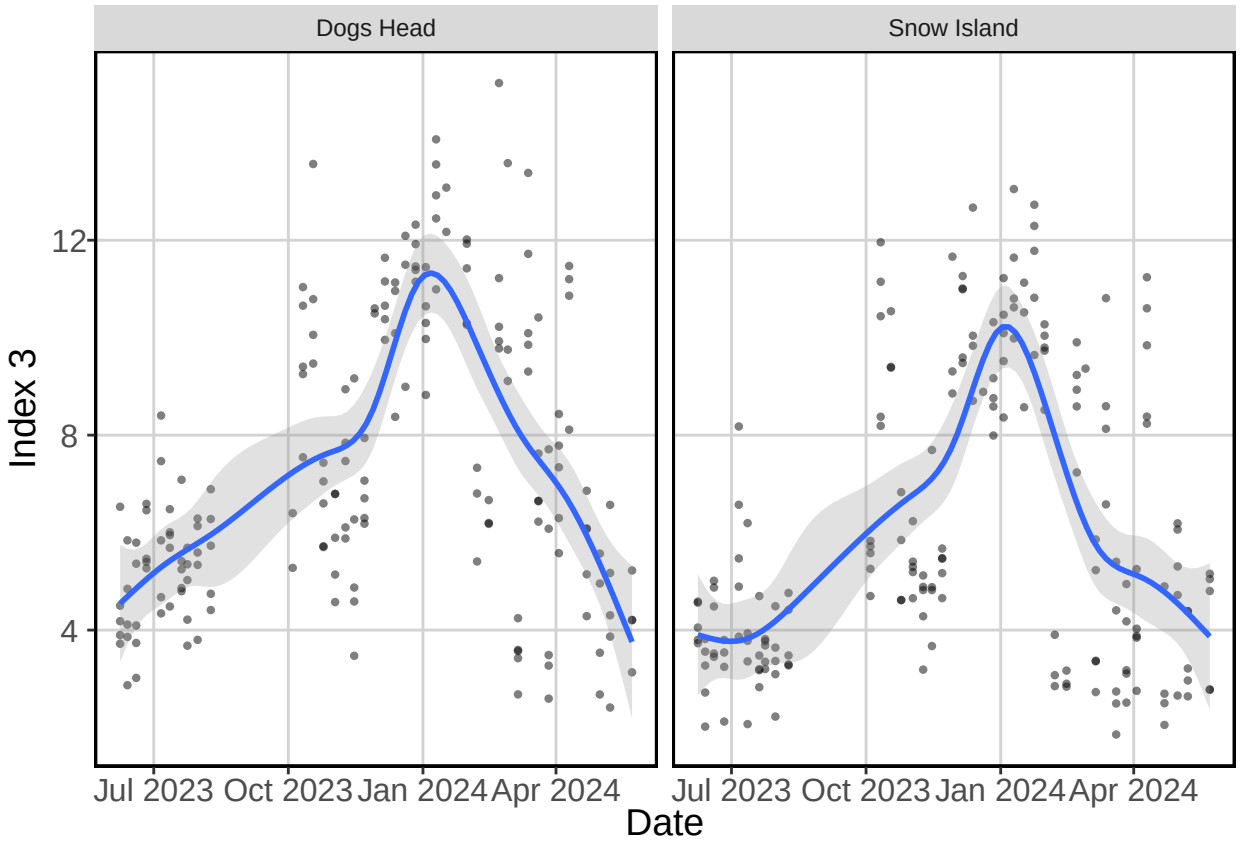









```
##
## Method: REML   Optimizer: outer newton
## full convergence after 5 iterations.
## Gradient range [-7.332176e-05,1.392316e-06]
## (score 851.712 & scale 5.260911).
## Hessian positive definite, eigenvalue range [1.091613,184.0887].
## Model rank =  19 / 19
##
## Basis dimension (k) checking results. Low p-value (k-index<1) may
## indicate that k is too low, especially if edf is close to k'.
##
##                            k'  edf k-index p-value
## s(wkyr):siteDogs Head   9.00 5.31    0.41  <2e-16 ***
## s(wkyr):siteSnow Island 9.00 6.05    0.41  <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```


Dogs Head
Snow Island
Index 3
12
8
4
Jul 2023
Oct 2023
Jan 2024
Apr 2024
Date