```
> Halibut<-read.csv("Halibut Ocean Wise Contribution.csv")
> head(Halibut)
  Weeks Landings Year Covid
1    12   278502 2020   yes
2    13   366762 2020   yes
3    14   494141 2020   yes
4    15   658097 2020   yes
5    16   885083 2020   yes
6    17  1156056 2020   yes
> m2<-gam(Landings~Covid+s(Weeks),data=Halibut,family=quasipoisson)
> summary(m2)

Family: quasipoisson
Link function: log

Formula:
Landings ~ Covid + s(Weeks)

Parametric coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 14.89147    0.01427 1043.53   <2e-16 ***
Covidyes    -0.31221    0.02070  -15.08   <2e-16 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Approximate significance of smooth terms:
           edf Ref.df   F p-value
s(Weeks) 7.373  8.292 359  <2e-16 ***
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

R-sq.(adj) =  0.991   Deviance explained = 98.4%
GCV =  29159  Scale est. = 20243     n = 69
> ((exp(14.89147-0.31221)-exp(14.89147))/exp(14.89147))*100
[1] -26.81722
```

Landings declined by 26%