```
> m1<-glmmPQL(Visits~Covid,random=~1|Type,data=CV,family=quasipoisson)
iteration 1
iteration 2
> summary(m1)
Linear mixed-effects model fit by maximum likelihood
 Data: CV
  AIC BIC logLik
   NA  NA     NA

Random effects:
 Formula: ~1 | Type
         (Intercept) Residual
StdDev:  0.04106479 8.116669

Variance function:
 Structure: fixed weights
 Formula: ~invwt
Fixed effects: Visits ~ Covid
                Value Std.Error DF  t-value p-value
(Intercept)  6.276294 0.1692661  5 37.07945  0.0000
Covidyes    -1.179517 0.5441911  5 -2.16747  0.0824
 Correlation:
         (Intr)
Covidyes -0.299

Standardized Within-Group Residuals:
       Min         Q1        Med        Q3        Max
-1.1993669 -0.7775371 -0.2429437  0.9684828  1.4189836

Number of Observations: 8
Number of Groups: 2
> round(((exp(6.276294-1.179517)-exp(6.276294))/exp(6.276294))*100)
[1] -69
```
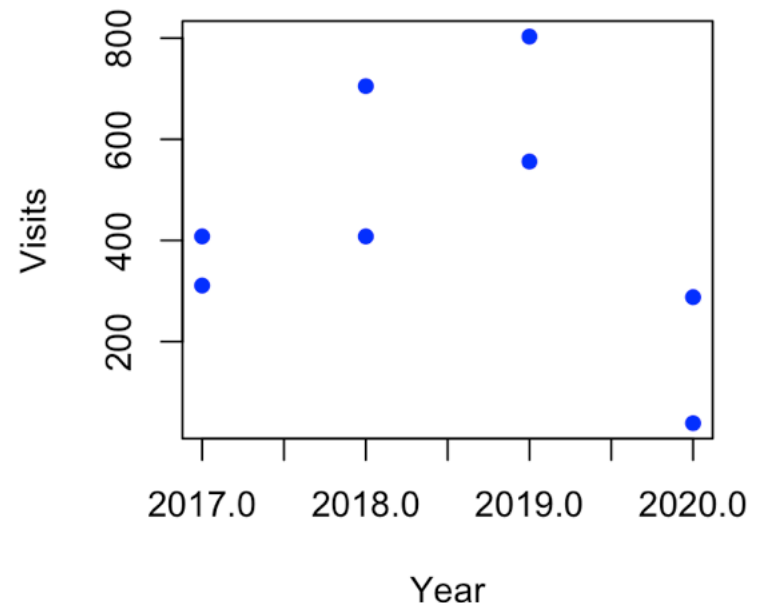

69% drop in park visits

```
> m1<-gls(Nests.Poached~Covid,data=NP)
> summary(m1)
Generalized least squares fit by REML
  Model: Nests.Poached ~ Covid
  Data: NP
       AIC      BIC    logLik
  36.36206 34.52094 -15.18103

Coefficients:
            Value Std.Error  t-value p-value
(Intercept)    15  3.937004 3.810004  0.0189
Covidyes        5  9.643651 0.518476  0.6315

 Correlation:
        (Intr)
Covidyes -0.408

Standardized residuals:
       Min        Q1       Med        Q3       Max
-1.1359237 -0.6815542  0.1703886  0.4259714  1.2495160

Residual standard error: 8.803408
Degrees of freedom: 6 total; 4 residual
> round((5/15)*100)
[1] 33
```
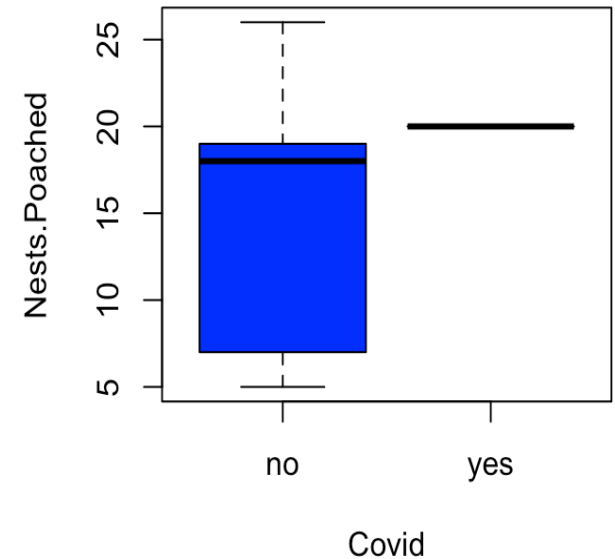

33% increase in poaching

```
> m1<-gls(Turtles.Observed~Covid,data=TO)
> summary(m1)
Generalized least squares fit by REML
  Model: Turtles.Observed ~ Covid
  Data: TO
       AIC       BIC     logLik
  29.71234 27.87122 -11.85617

Coefficients:
            Value Std.Error  t-value p-value
(Intercept)  81.2  1.714643 47.35680    0.00
Covidyes      9.8  4.200000  2.33333    0.08

 Correlation:
        (Intr)
Covidyes -0.408

Standardized residuals:
       Min         Q1         Med          Q3          Max
-1.09544512 -0.63900965 -0.02608203  0.54772256  1.25193727

Residual standard error: 3.834058
Degrees of freedom: 6 total; 4 residual
> round((9.8/81.2)*100)
[1] 12
```
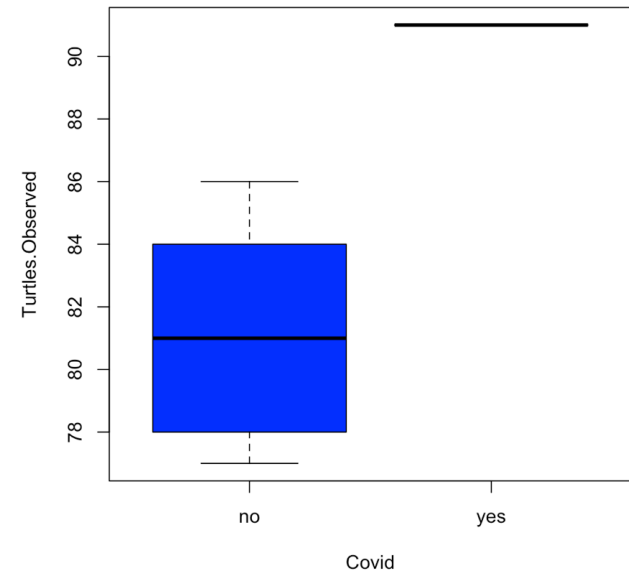

12% increase in turtles observed, but with > effort