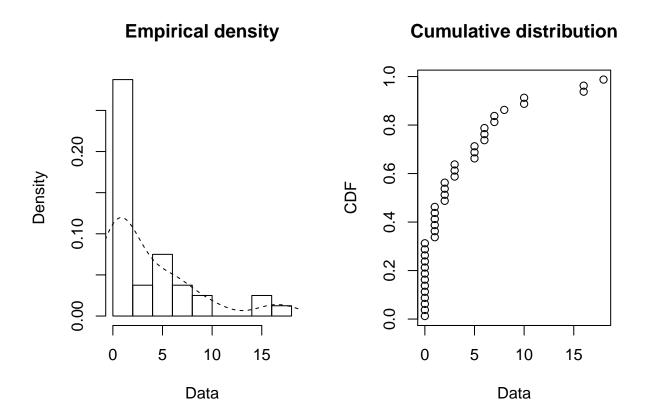
model help

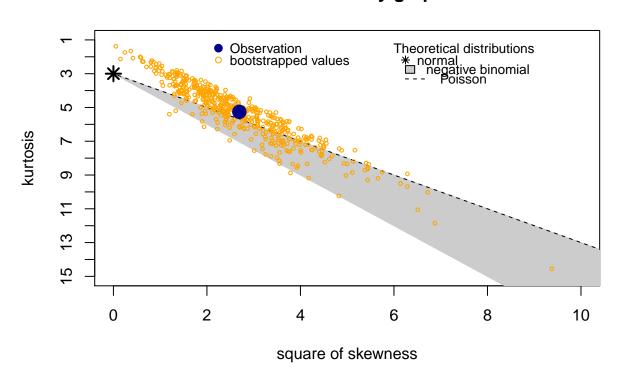
David S, Mason

3/12/2022

Seed detections distribution



Cullen and Frey graph

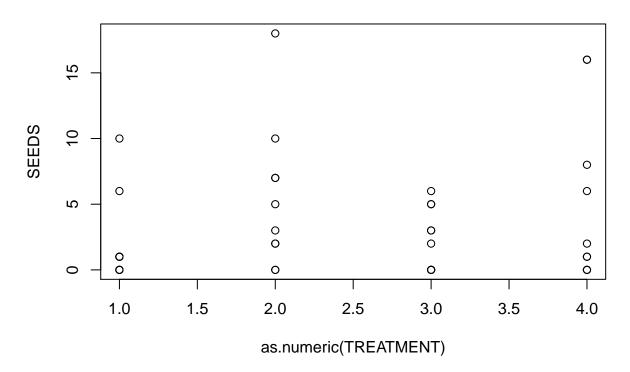


```
## summary statistics
## -----
## min: 0 max: 18
## median: 2
## mean: 3.7
## estimated sd: 4.756642
## estimated skewness: 1.64098
## estimated kurtosis: 5.258471
```

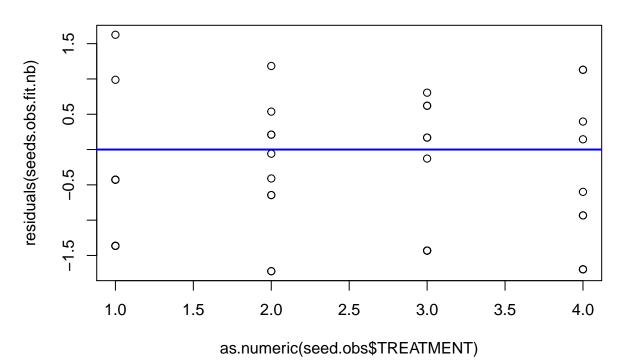
Negative binomial and poisson model fits for seed detections

Check some assumptions (seed detection models)

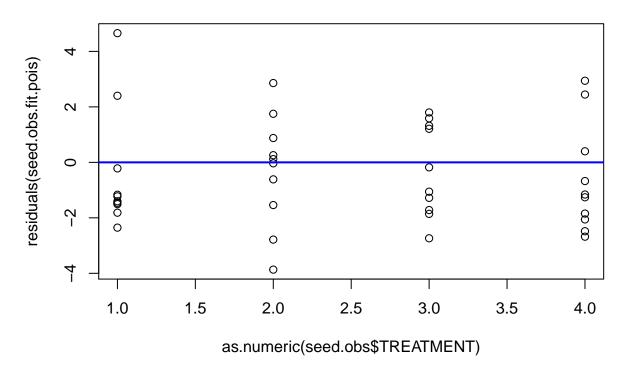
Seed detections by treatment



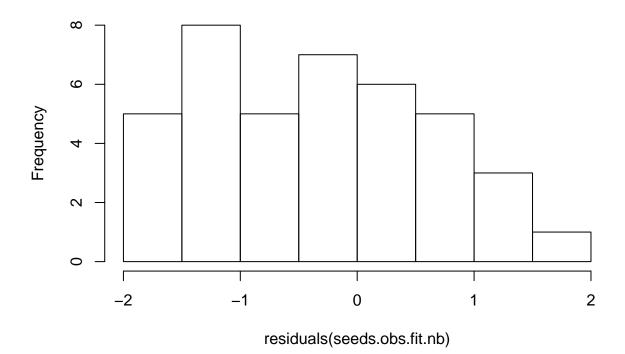
Negative binomial residuals by treatment



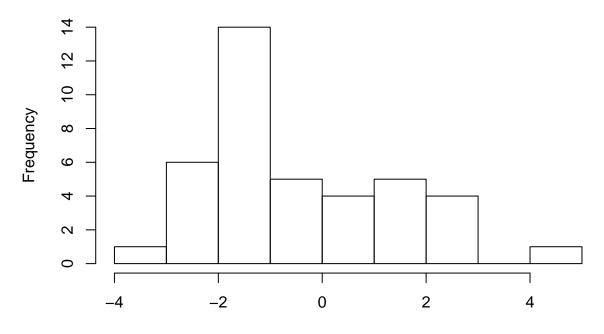
Poisson residuals by treatment



Negative binomial res

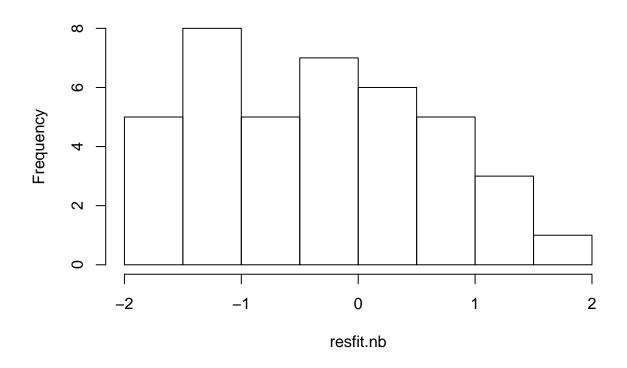


Poisson res

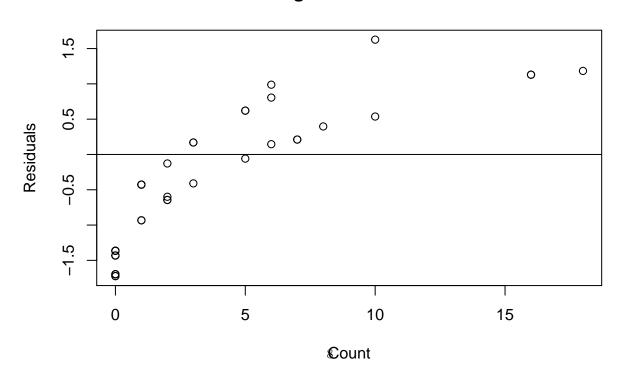


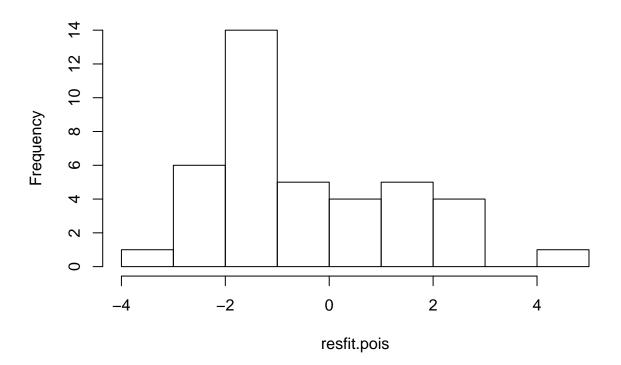
Plot residuals from prediction to test for assumptions (seed detection models)

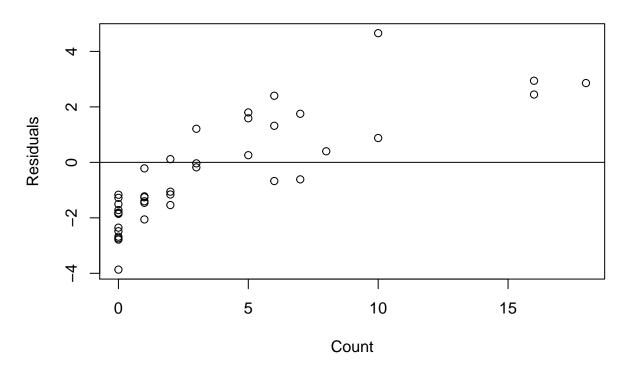
Negative binomial



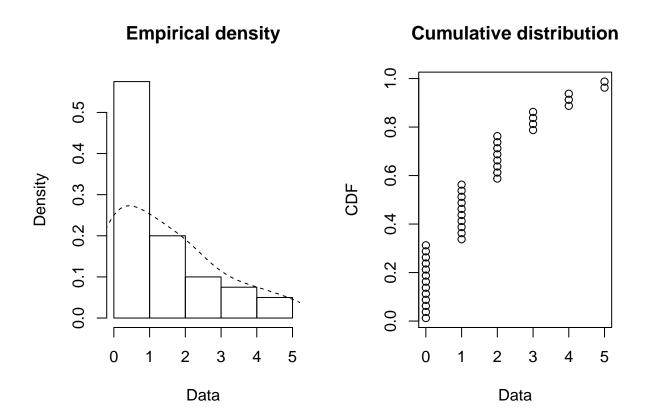
Negative binomial



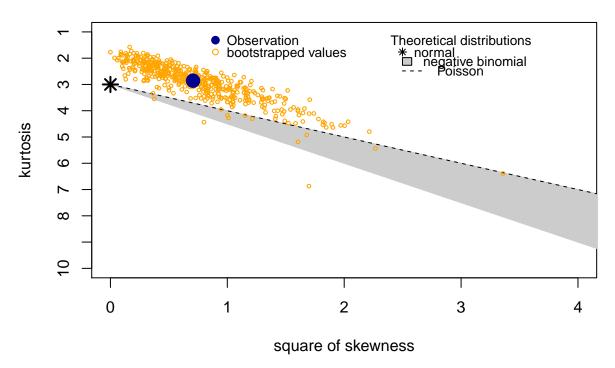




Seed richness distribution



Cullen and Frey graph

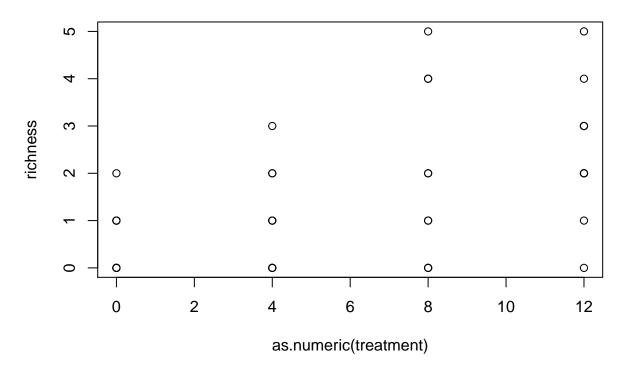


```
## summary statistics
## -----
## min: 0 max: 5
## median: 1
## mean: 1.5
## estimated sd: 1.484967
## estimated skewness: 0.840739
## estimated kurtosis: 2.857663
```

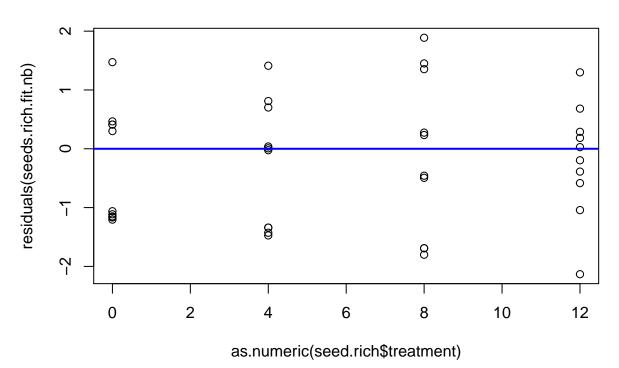
Negative binomial and poisson model fits for seed richness models

Check some assumptions (seed richness models)

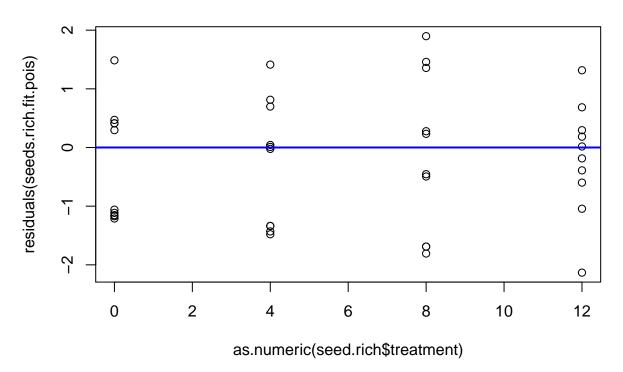
Seed richness by treatment



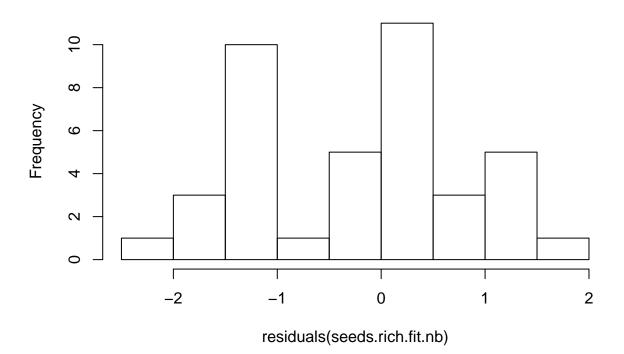
Negative binomial residuals by treatment



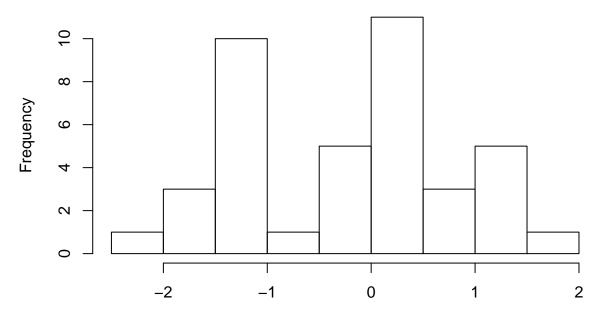
Poisson residuals by treatment



Negative binomial res



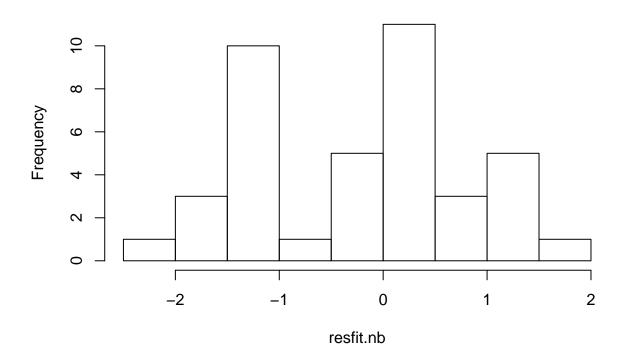
Poisson res



residuals(seeds.rich.fit.pois)

Plot residuals from prediction to test for assumptions (seed richness models) $\,$

Negative binomial



Negative binomial

