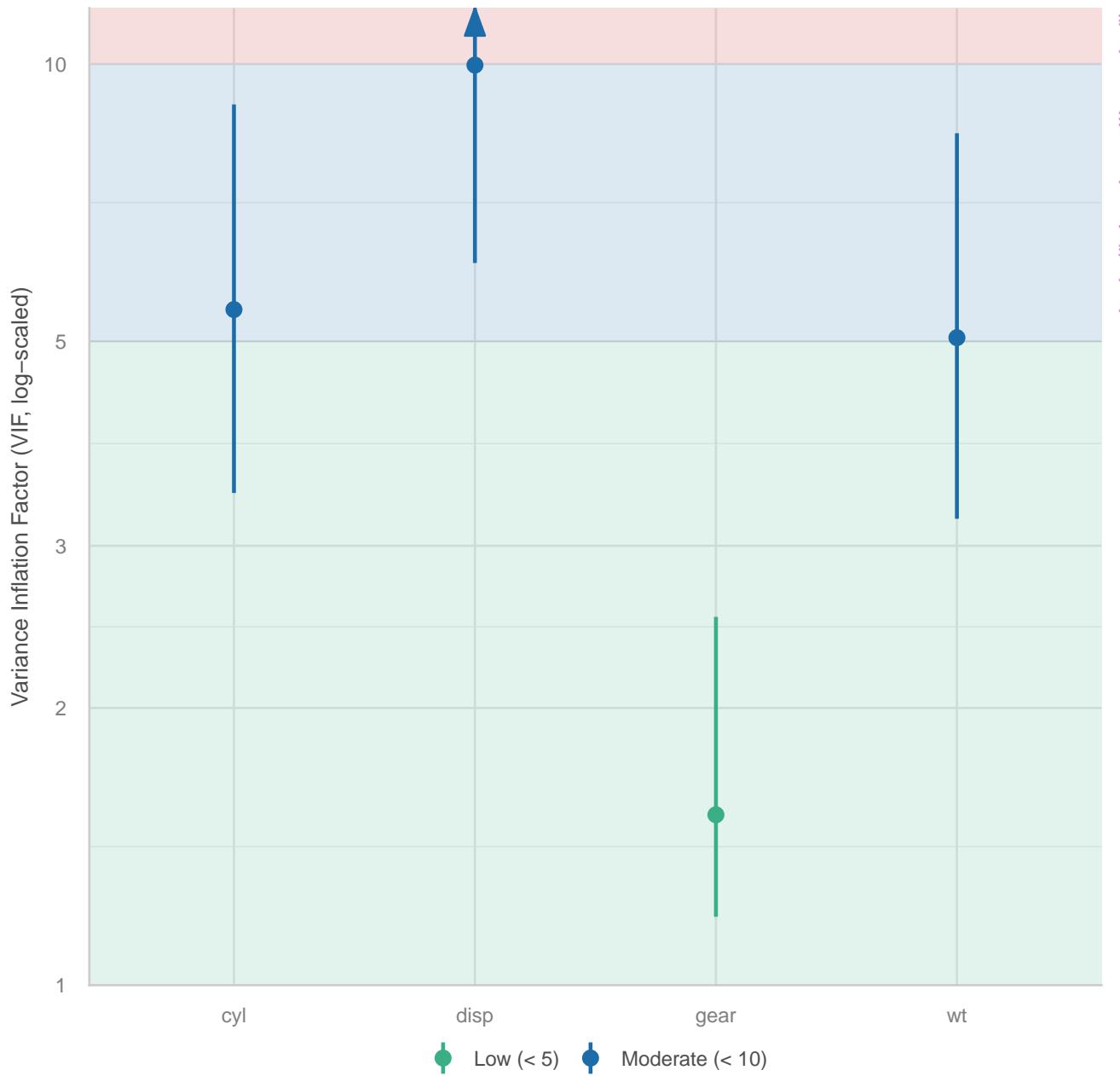
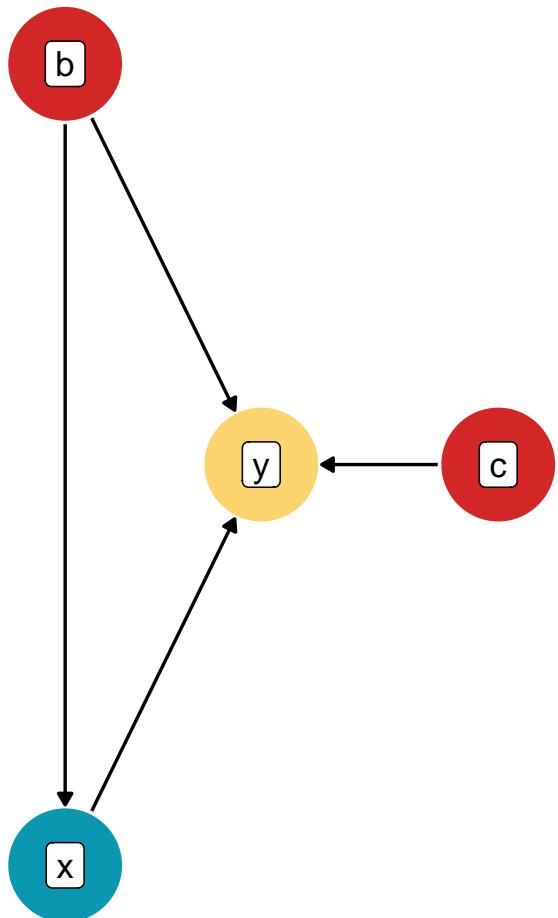


# Collinearity

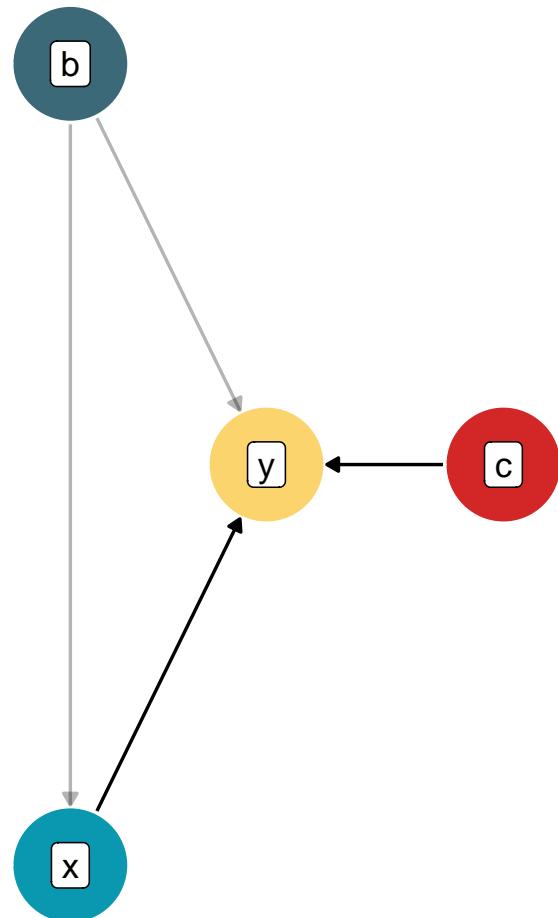
High collinearity (VIF) may inflate parameter uncertainty



Current model

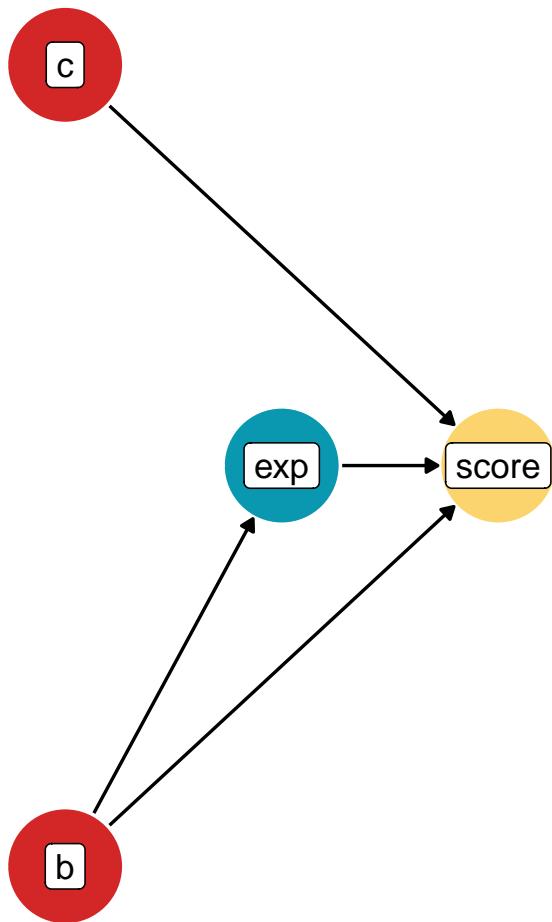


Required model (total effect)

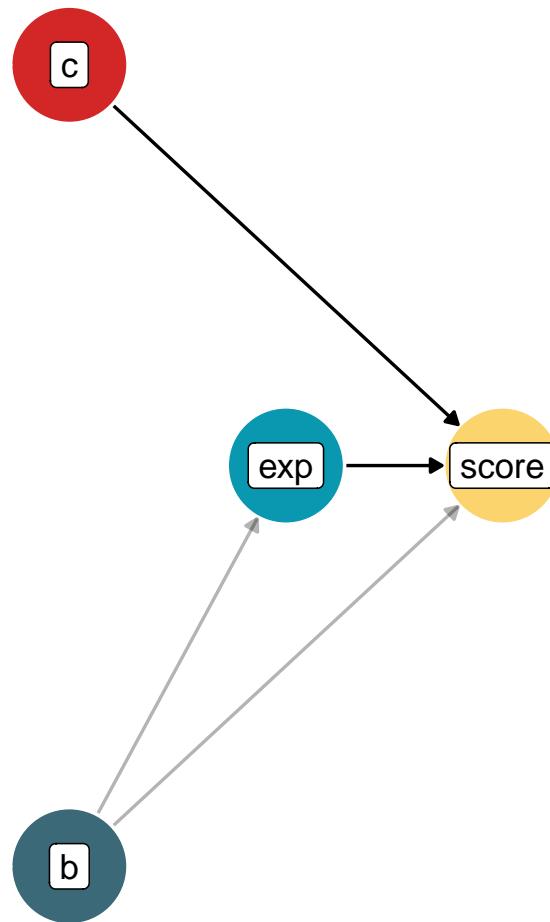


help("check\_dag")

Current model



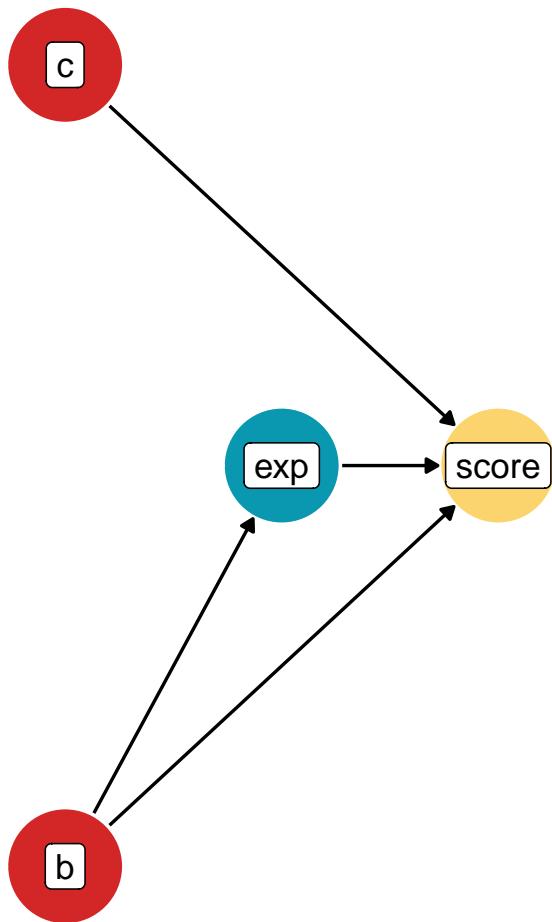
Required model (total effect)



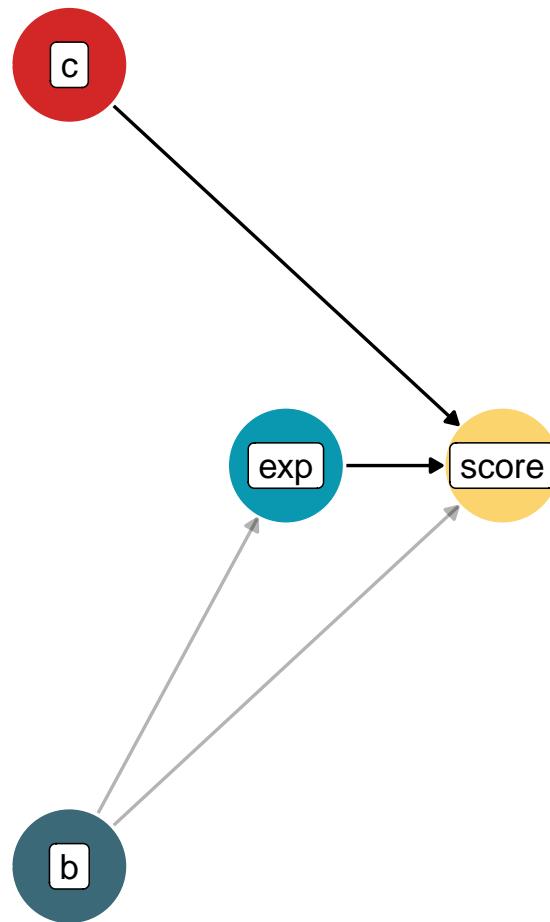
help("check\_dag")

● outcome ● exposure ● adjusted ●

Current model



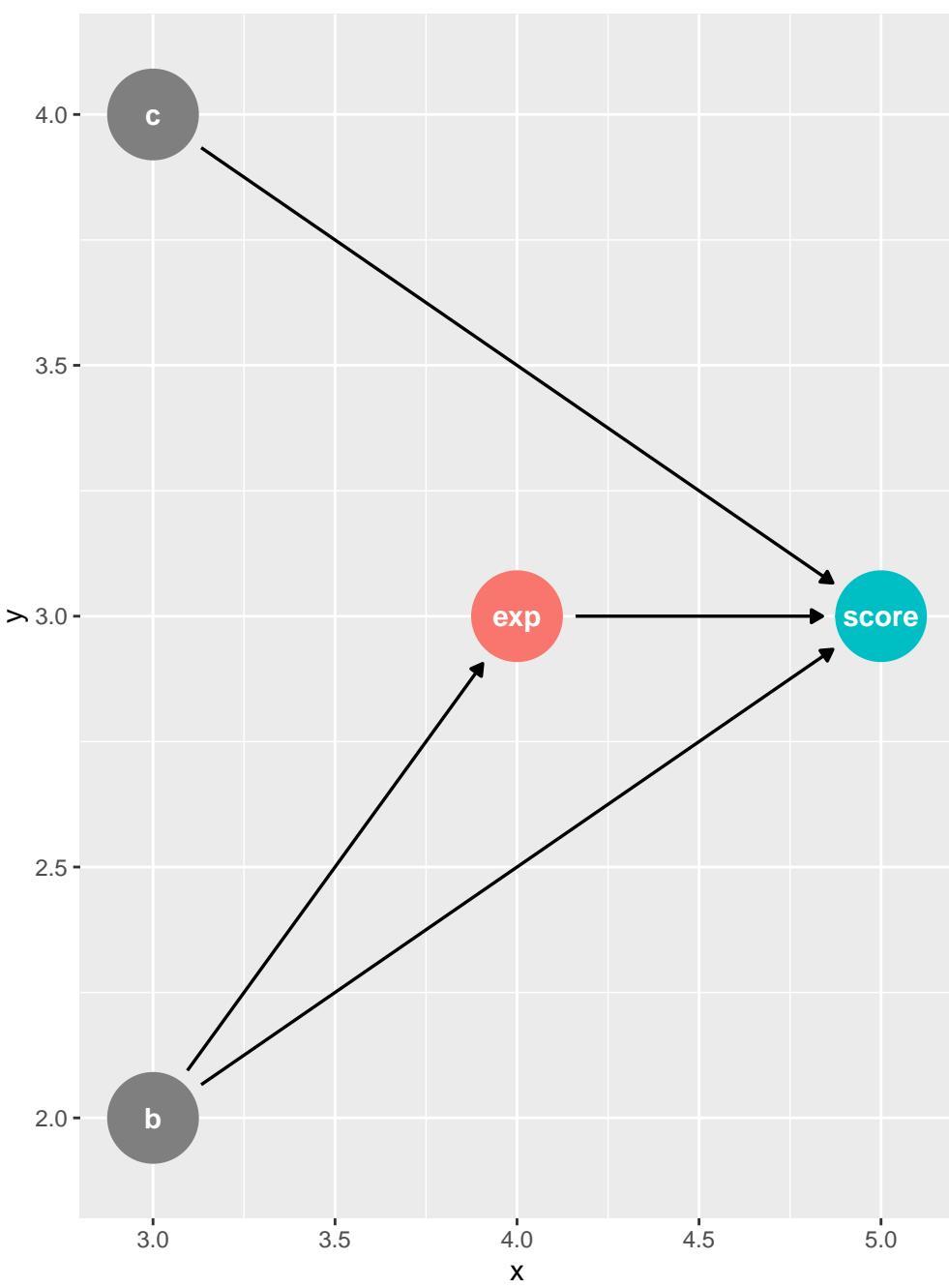
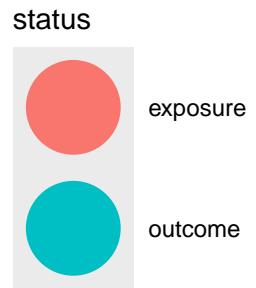
Required model (total effect)



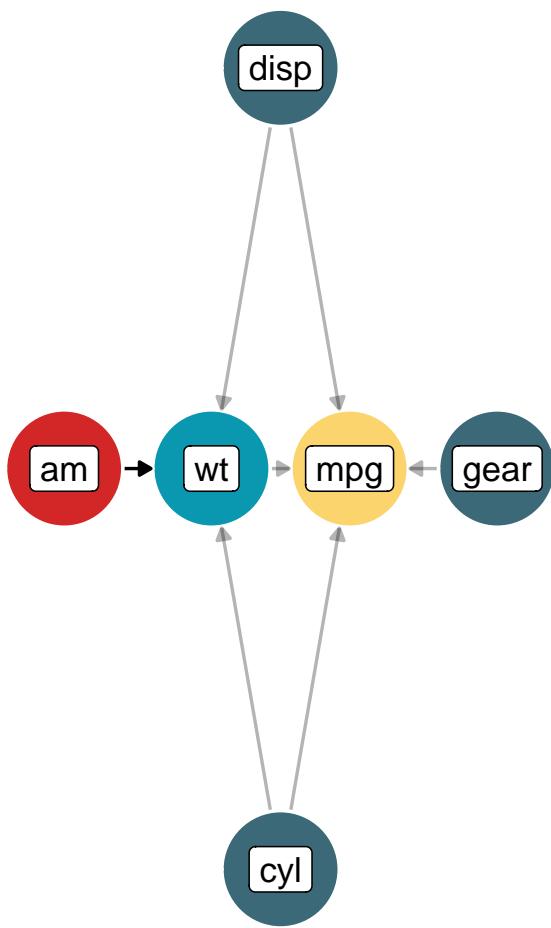
help("check\_dag")

● outcome ● exposure ● adjusted ●

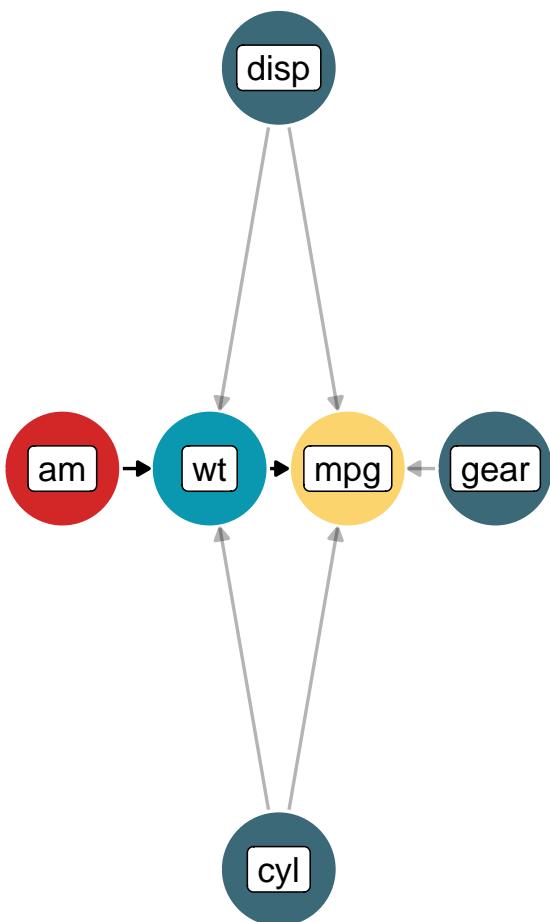
```
help("check_dag")
```



Current model



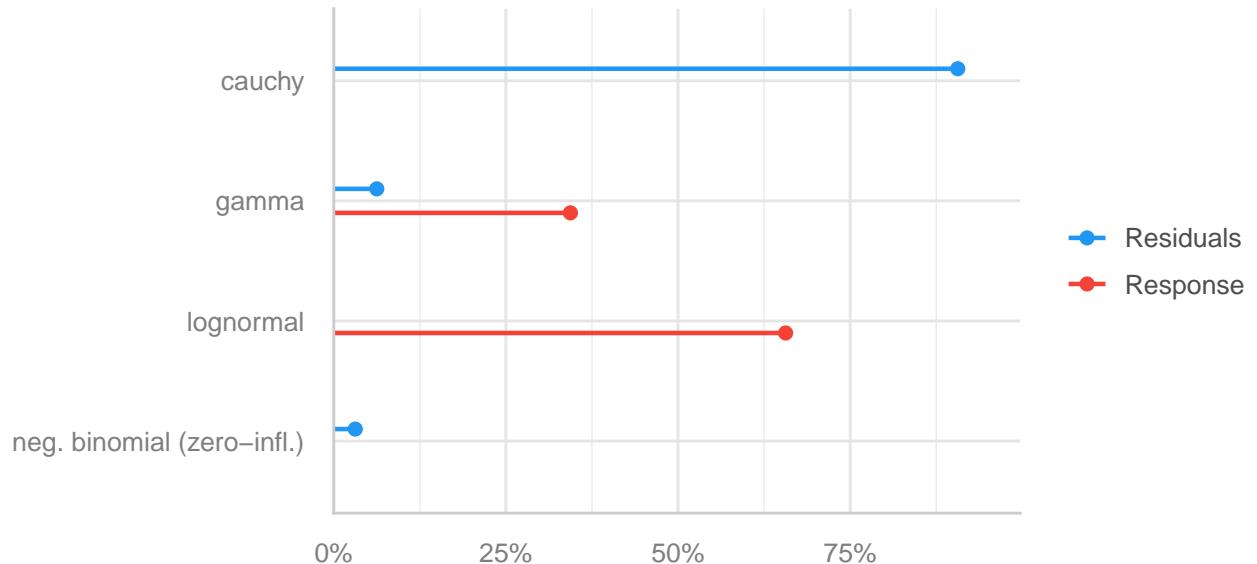
Required model (total effect)



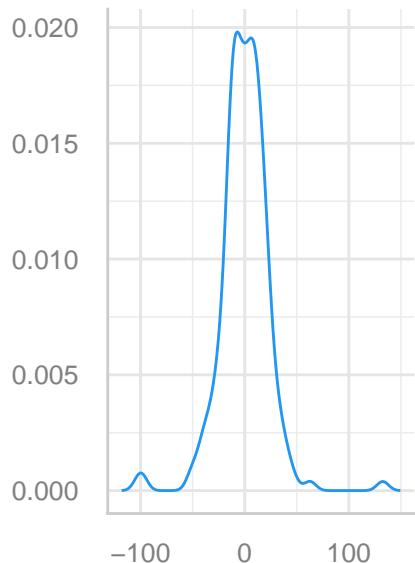
● outcome ● exposure ● adjusted ● exposure

help("check\_dag")

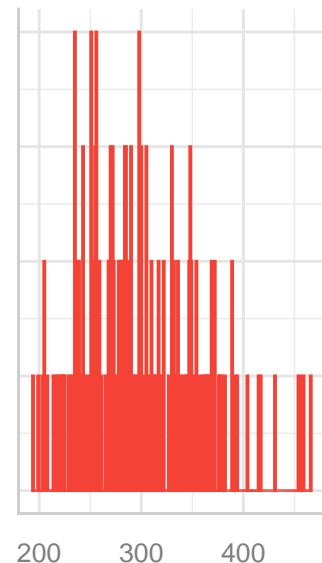
# Predicted Distribution of Residuals and Response



Density of Residuals



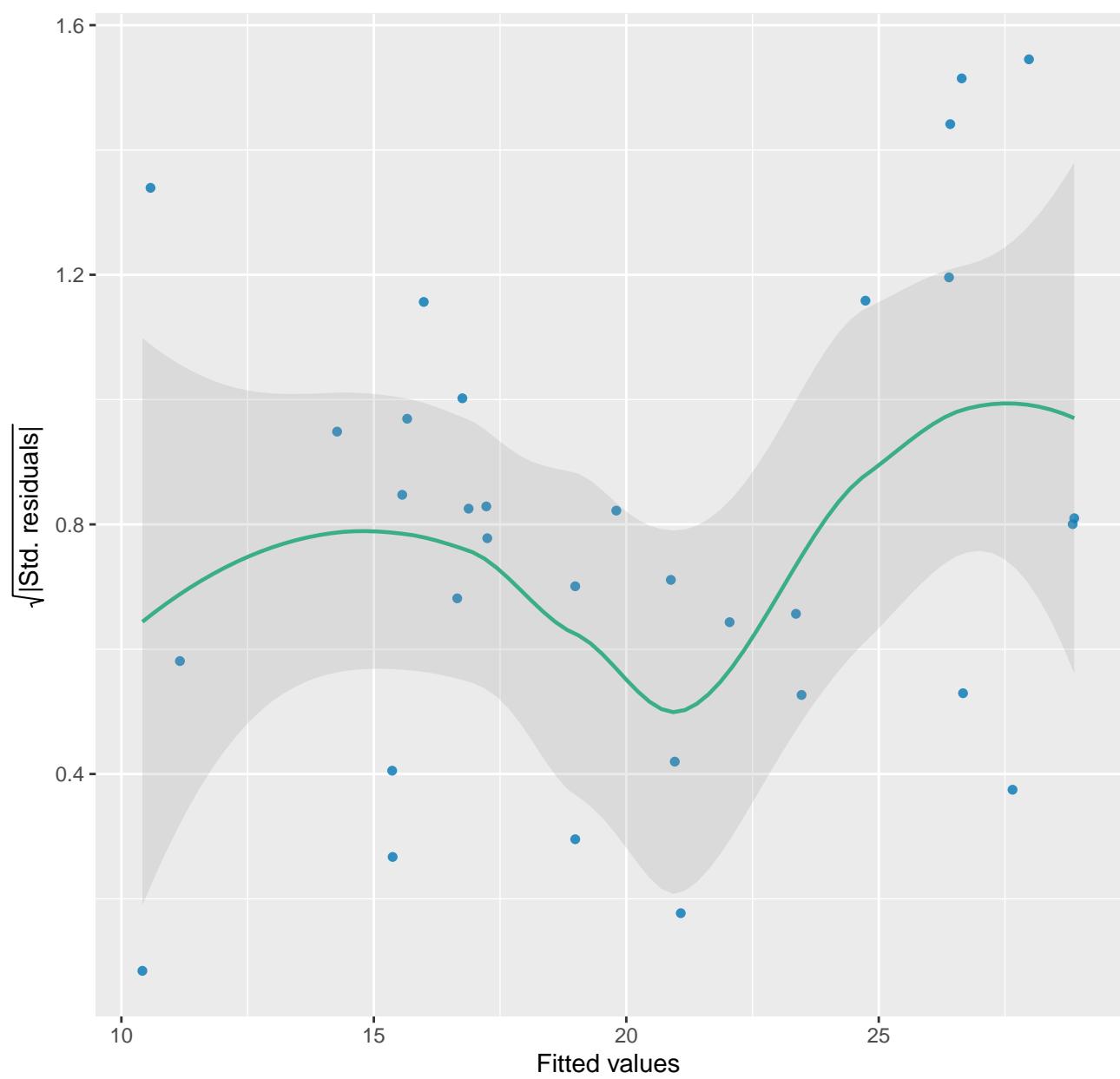
Distribution of Response



help("check\_distribution")

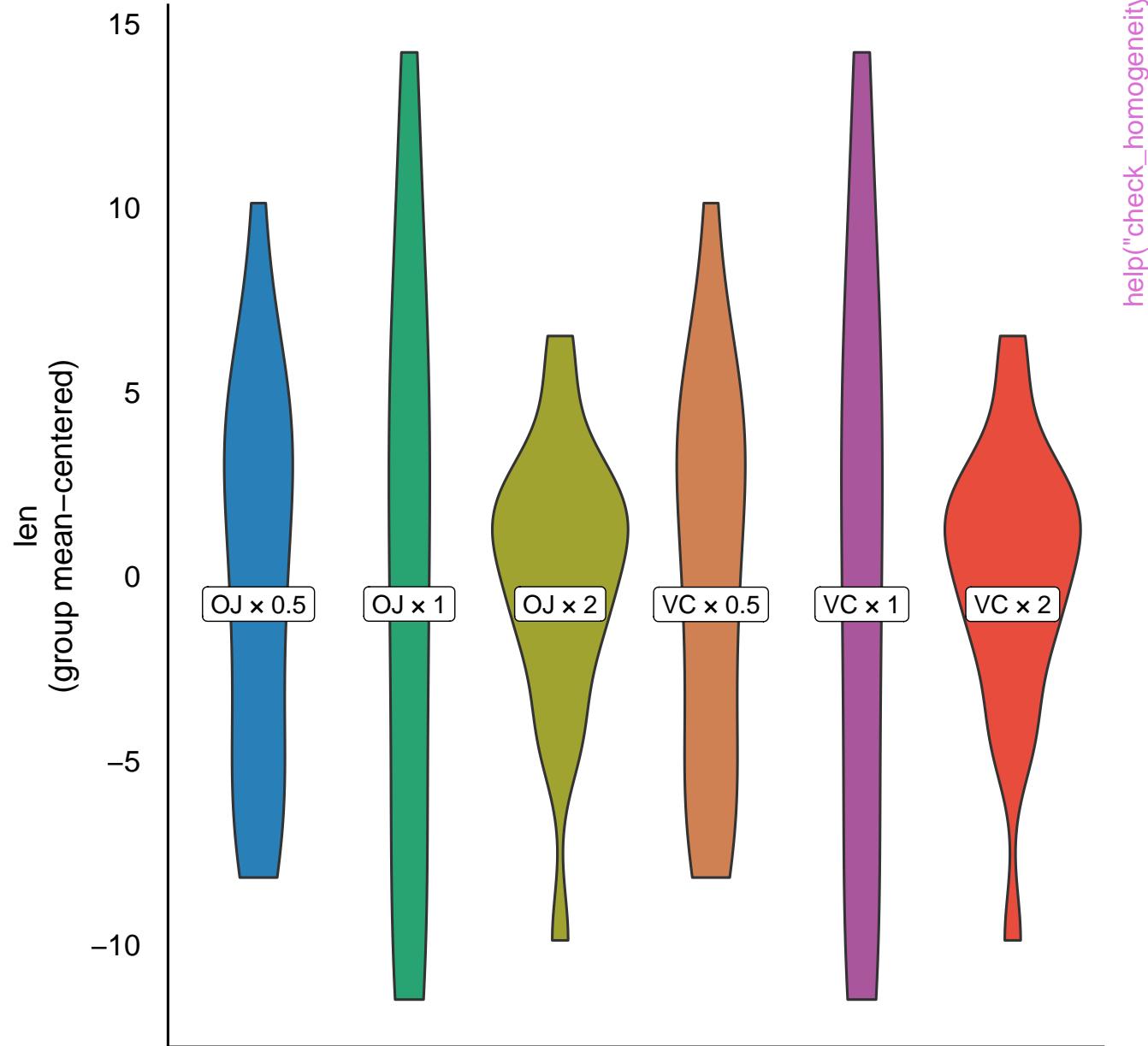
# Homogeneity of Variance

Reference line should be flat and horizontal



# Homogeneity of Variance (Bartlett Test)

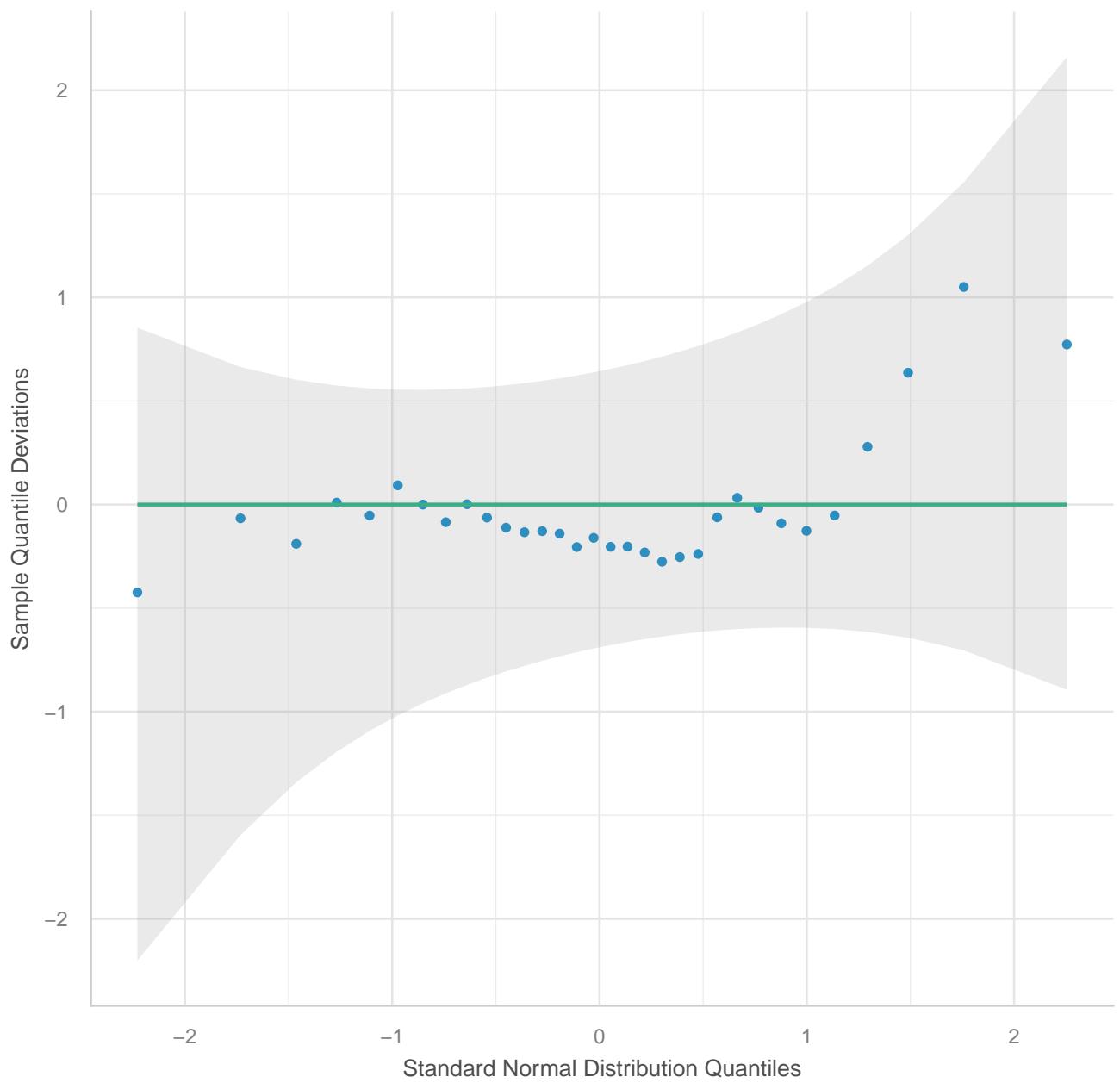
Groups should be evenly spread



## Normality of Residuals

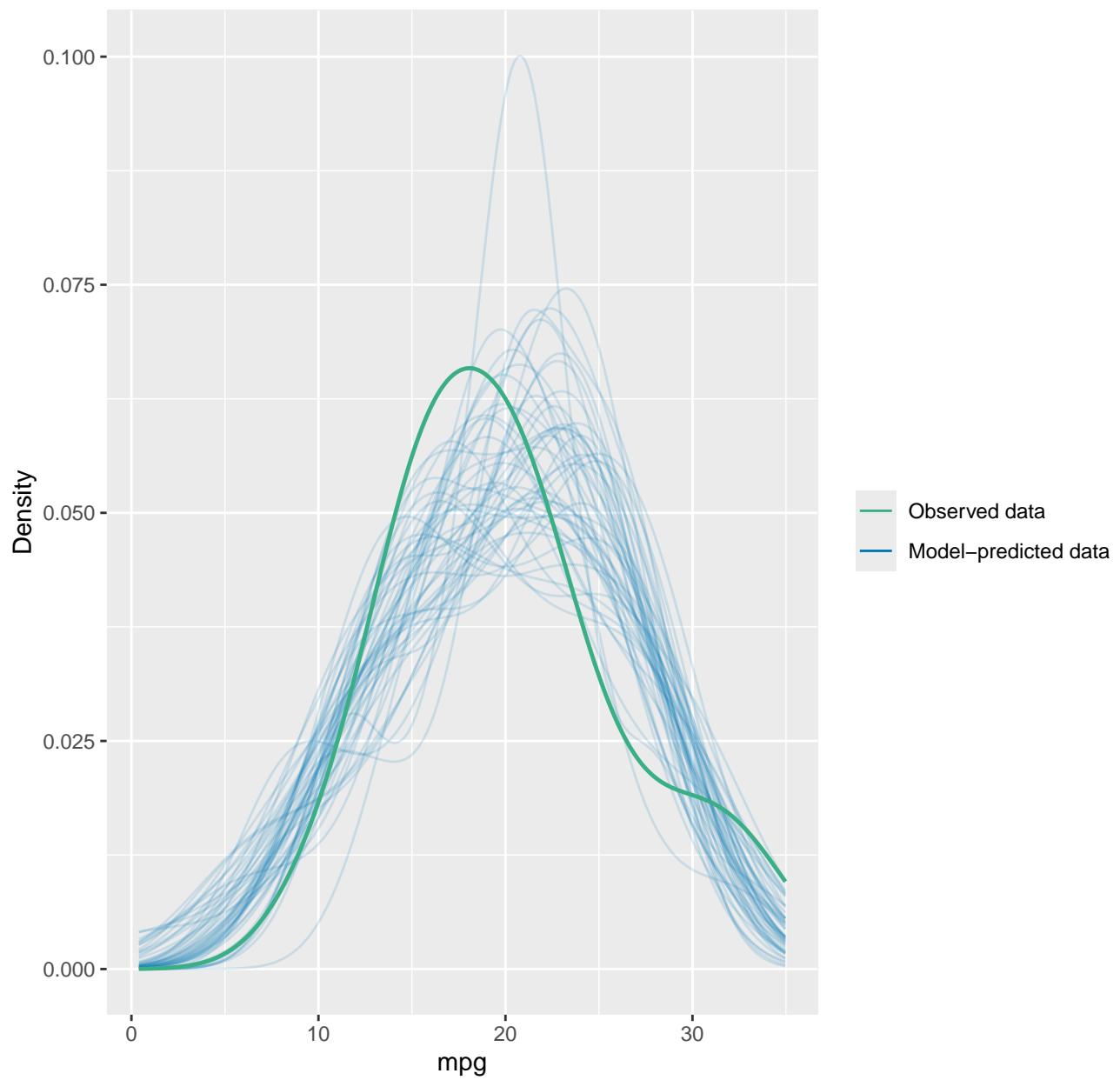
Dots should fall along the line

help("check\_normality")



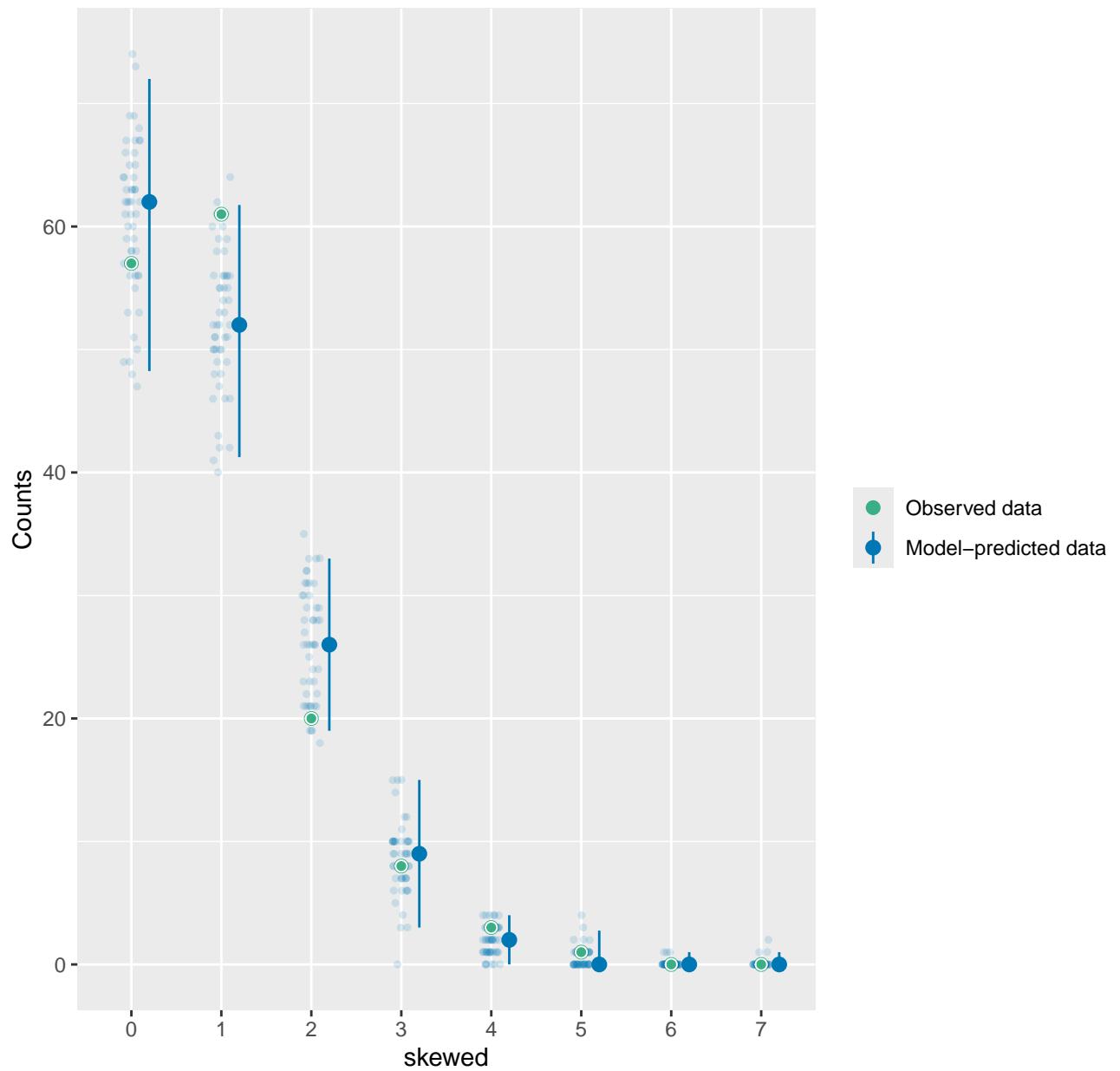
## Posterior Predictive Check

Model-predicted lines should resemble observed data line



# Posterior Predictive Check

Model-predicted points should be close to observed data points



help("check\_predictions")