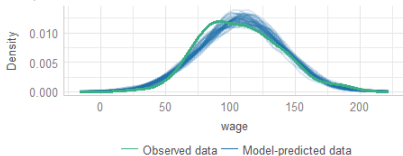


Checking assumptions visually

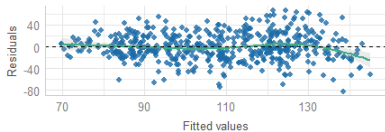
Posterior Predictive Check

Model-predicted lines should resemble observed data line



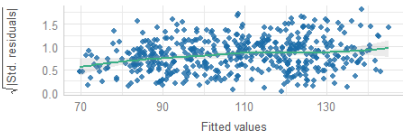
Linearity

Reference line should be flat and horizontal



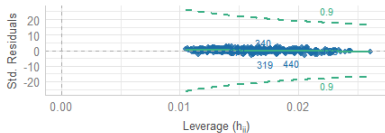
Homogeneity of Variance

Reference line should be flat and horizontal



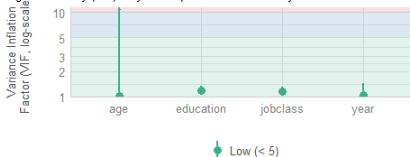
Influential Observations

Points should be inside the contour lines



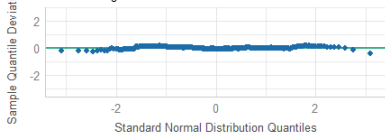
Collinearity

High collinearity (VIF) may inflate parameter uncertainty



Normality of Residuals

Points should fall along the line



Checking predictions

A



B



C



D

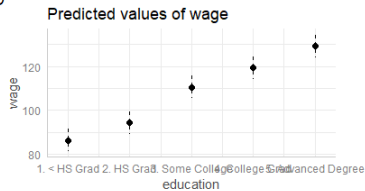
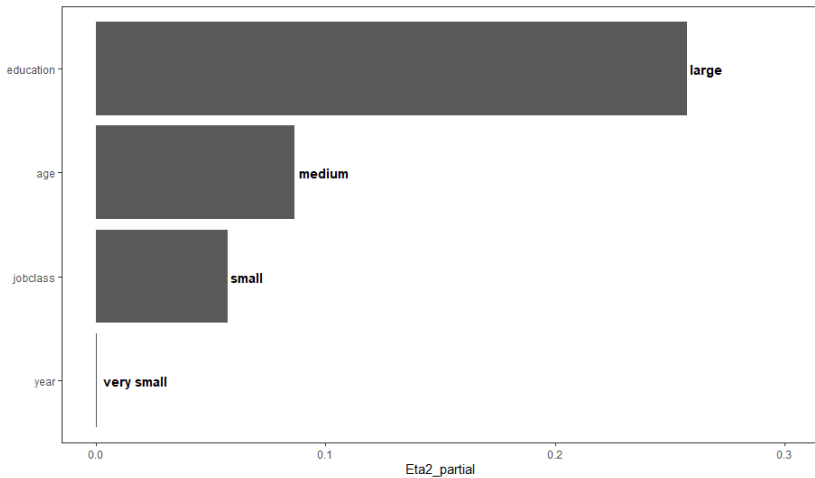


Table of results

Characteristic	Beta	95% CI [†]	p-value
age	0.70	0.47, 0.93	<0.001
year	0.65	-0.47, 1.8	0.254
jobclass			
2. Information - 1. Industrial	1.9	-2.9, 6.7	0.437
education			
2. HS Grad - 1. < HS Grad	7.9	-1.9, 18	0.182
3. Some College - 1. < HS Grad	24	14, 34	<0.001
3. Some College - 2. HS Grad	16	6.5, 26	<0.001
4. College Grad - 1. < HS Grad	33	23, 43	<0.001
4. College Grad - 2. HS Grad	25	15, 35	<0.001
4. College Grad - 3. Some College	8.7	-1.1, 19	0.110
5. Advanced Degree - 1. < HS Grad	43	33, 53	<0.001
5. Advanced Degree - 2. HS Grad	35	25, 45	<0.001
5. Advanced Degree - 3. Some College	19	8.7, 29	<0.001
5. Advanced Degree - 4. College Grad	10	-0.03, 20	0.051
[†] CI = Confidence Interval			

Check effect sizes



Check model fit

```
> # how good is our model fit  
> performance(m)  
# Indices of model performance
```

AIC		AICc		BIC		R2		R2 (adj.)		RMSE		Sigma
4661.413		4661.781		4699.345		0.334		0.325		25.140		25.344

```
>  
>
```