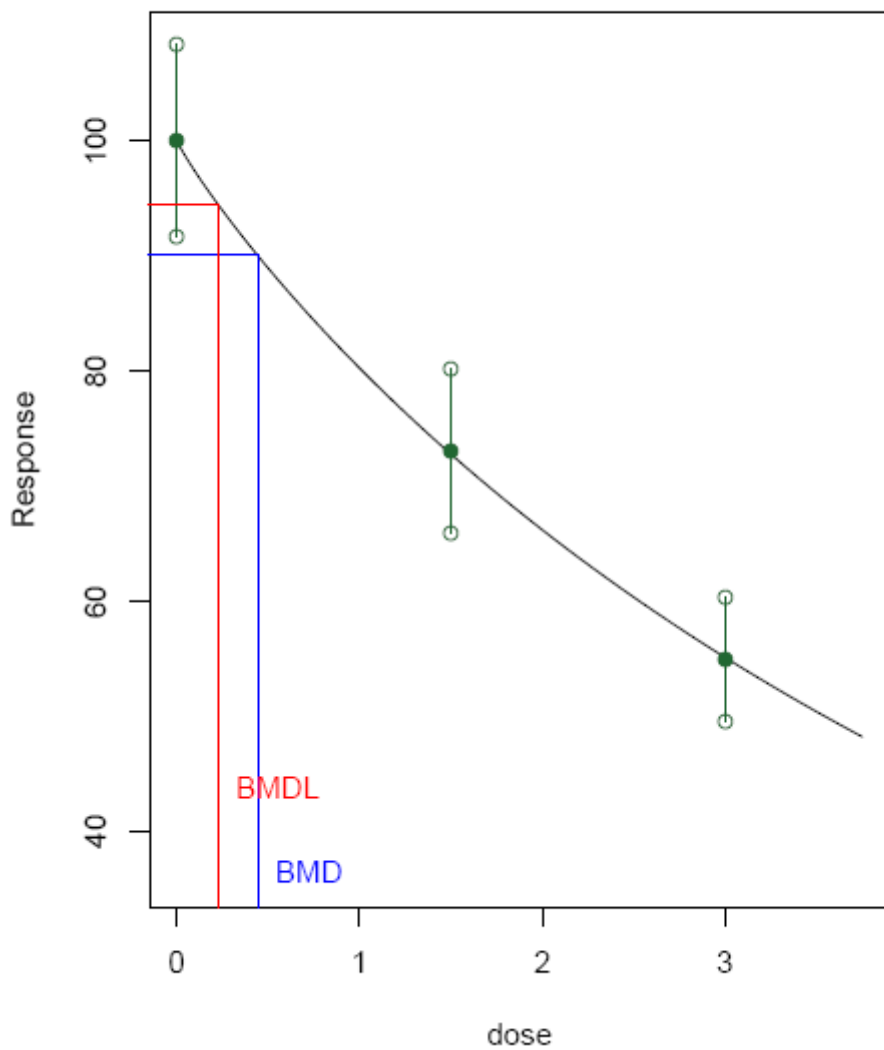


US EPA ARCHIVE DOCUMENT

DRAFT

Betancourt carr_2004
Female Brain
Repeated PND 1-3
Power Model
10% bmr

Female dose-response curve for chlorpyrifos



DRAFT

Redundancy Analysis

	1	2	3	4	5
CondIndex	15.781	4.692	2.013	1.657	1.000
mu	0.110	0.370	0.862	1.047	1.735
lA.sexF	0.054	0.451	0.133	0.355	0.007
ID.(Intercept)	0.931	0.064	0.001	0.001	0.003
lg	0.989	0.008	0.001	0.000	0.002

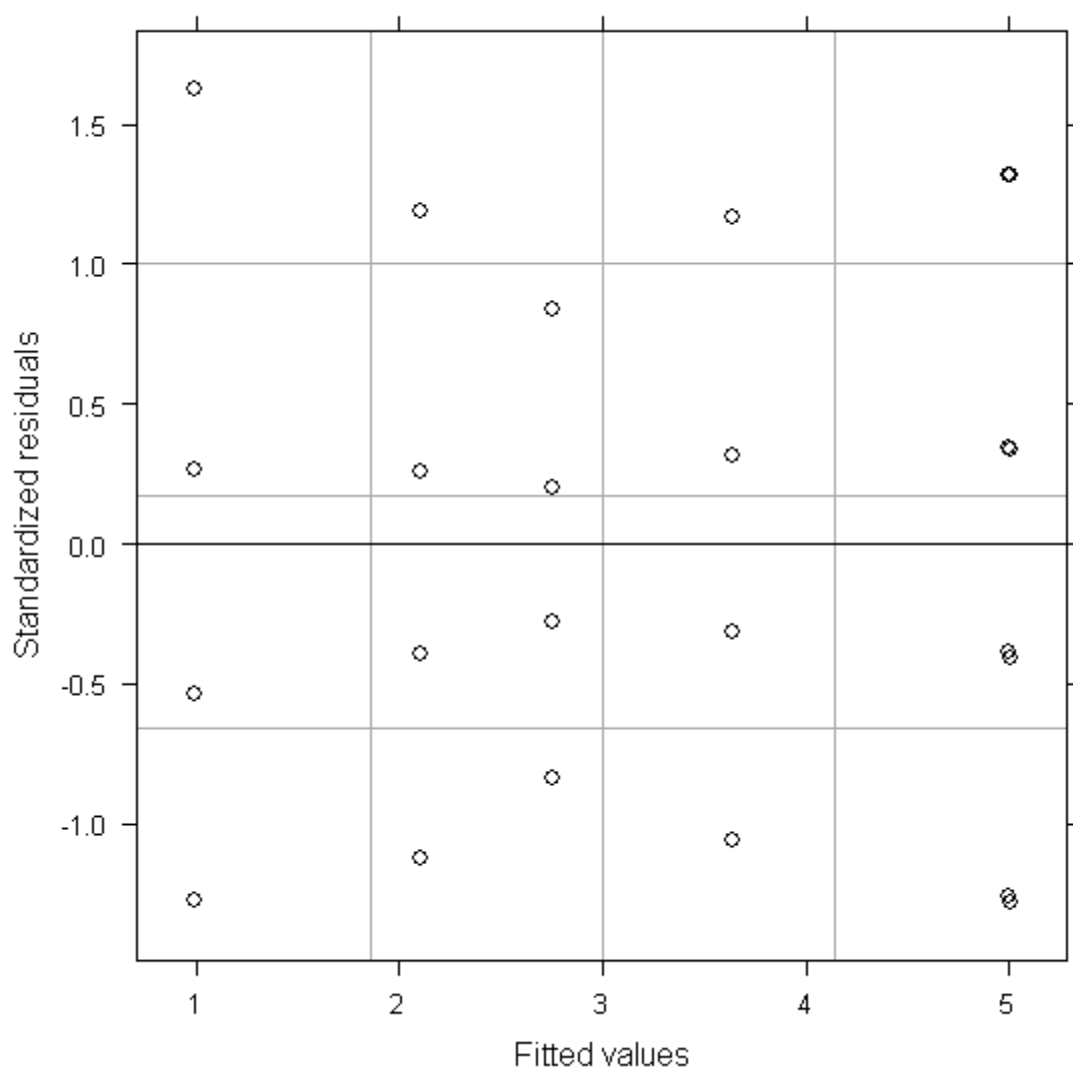
Parameter Values and Relative Standard Errors (sigma == 1)

	Parms	Relative SE
lA.sexF	1.610	0.098
ID.(Intercept)	-0.817	1.000
lg	-0.100	0.531

Mean Absolute Value of Gradient

	Val
lA.sexF	1.8999220
ID.(Intercept)	0.9386256
lg	2.0568417

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Note: Plots may contain dummy male data.

AIC: 28.85215

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Female intercept estimate (standard error): 5.003571(0.2055726)
Female BMD10 estimate (standard error): 0.4415910(0.2750500)
Power parameter estimate (standard error): 0.904626(0.2425959)

The confidence intervals for the variables are given by

	lower	est.	upper
Female Intercept	4.62364503	5.0035715	5.4147166
Female BMD10	0.19663651	0.4415910	0.9916910
Power Parameter	0.58881686	0.9046260	1.3898179

attr("label")
[1] "Coefficients:"

The one-sided confidence intervals (the lower bound) is given by

Female Intercept	Female BMDL10
4.68756271	0.22633442
Power Parameter	
0.63445820	