# Biomass by Nest Size

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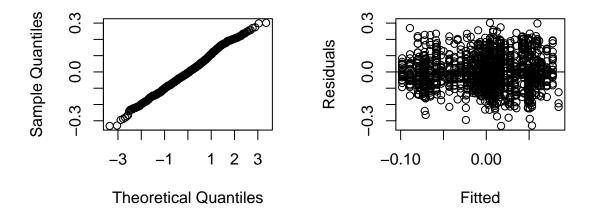
Biomass per capita calculated as insect biomass over total number of adult females

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Analysis of Variance Table of type III with Satterthwaite approximation for degrees of freedom  Sum Sq Mean Sq NumDF DenDF F.value Pr(>F)  log10AdFm 0.7687 0.7687 1 35.383 8.7373 0.005519 **
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
Analysis of Variance Table of type III with Satterthwaite approximation for degrees of freedom  Sum Sq Mean Sq NumDF DenDF F.value Pr(>F) log10AdFm 0.010351 0.010351 1 82.486 0.11766 0.7325 I(log10AdFm^2) 0.010568 0.010568 1 78.670 0.12012 0.7298
Model without square value has the lowest AIC
Data: Biomass  Models: object: BiomsPerAdFm ~ (1   ColonyID) + (1   Date)1: BiomsPerAdFm ~ log10AdFm + (1   ColonyID) + (1   Date)
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

#### Checking full model fit

[1] "condResiduals ~ logCtFm + logCtFm:InstarNumber + (1 | NestID)"



## Graph of biomass against nest size

