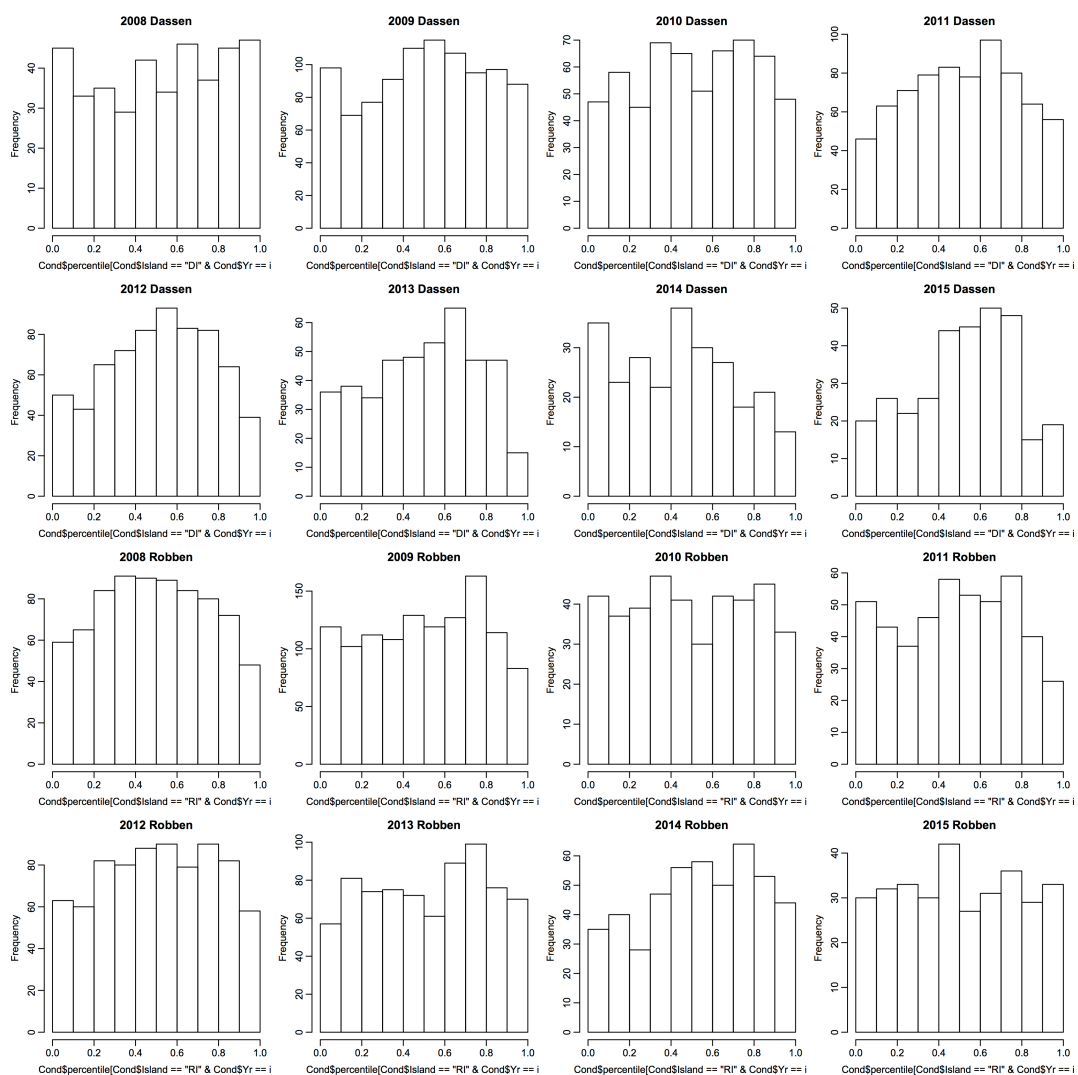# Updated diagnostics plots for JAGS models on chick condition
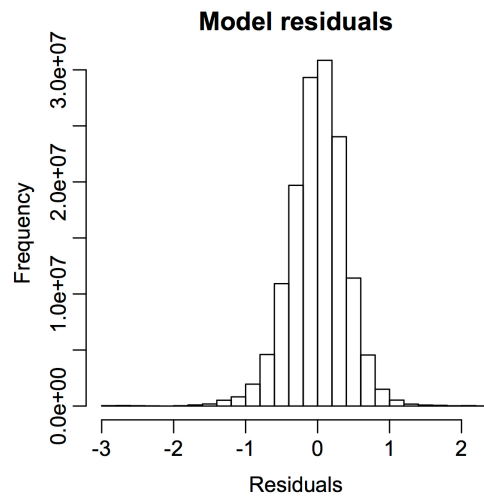
Richard B. Sherley

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Below are updated plots for the chick condition model in MARAM/IWS/DEC16/Peng_Clos/P2 after an error was found and plots requested for the aggregated data model in the bottom row of the table in MARAM/IWS/DEC16/Peng Clos/WP3.
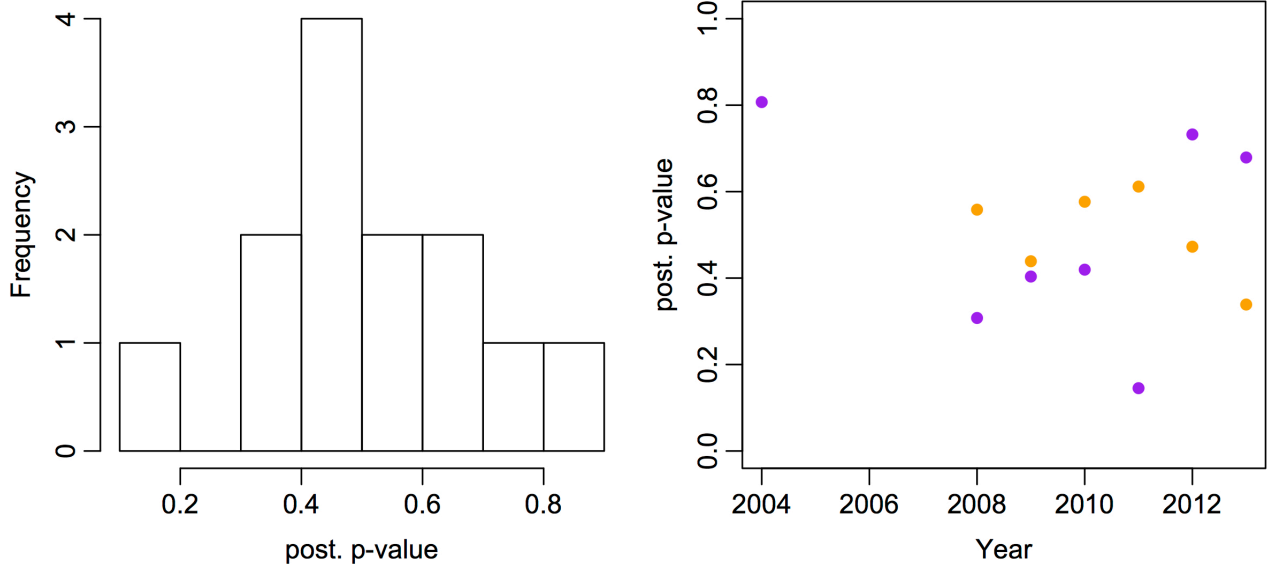
Condition model on disaggregated data (2008-2015): posterior predictive p-values by island year.

Condition model on disaggregated data (2008-2015): Distribution of model residuals

Model residuals

Condition model on aggregated data (2004, 2008-2015): posterior predictive p-values overall (left) and by island year (right). Purple = Robben, Orange = Dassen

Condition model on aggregated data (2004, 2008-2015): Histogram of model residuals