Posterior Predictive Check Linearity Model-predicted lines should resemble obse Reference line should be flat and horizonta 0.12 15 Residuals Density 0.09 10 5 0.06 0.03 0.00 10 10 20 30 15 20 25 Fitted values mpg Observed data — Model-predicted Influential Observations Homogeneity of Variance Reference line should be flat and horizontal 1.5 1.0 0.5 1.5 1.0 1.5 20 25 Points should be inside the contour lines Std. Residual 0.5 3 28 0.5 10 15 20 25 0.0 0.1 0.2 Leverage (h_{ii}) Fitted values Normality of Residuals Dots should fall along the line Standard Normal Distribution Quantiles