Posterior Predictive Check Linearity Model-predicted lines should resemble obse Reference line should be flat and horizont 0.100 15 Residuals Density 10 0.075 5 0.050 0.025 0.000 10 10 20 30 40 15 20 25 Fitted values mpg Observed data — Model-predicted Influential Observations Homogeneity of Variance Reference line should be flat and horizontal 2.0 1.5 1.0 0.5 10 15 20 25 Points should be inside the contour lines Std. Residual 0.5 3 28 -3 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