

Fig 3.1: Body Mass vs. Maximal Recorded Running Speed of 107 Terrestrial Mammals with two estimated models from Chappell(1989)

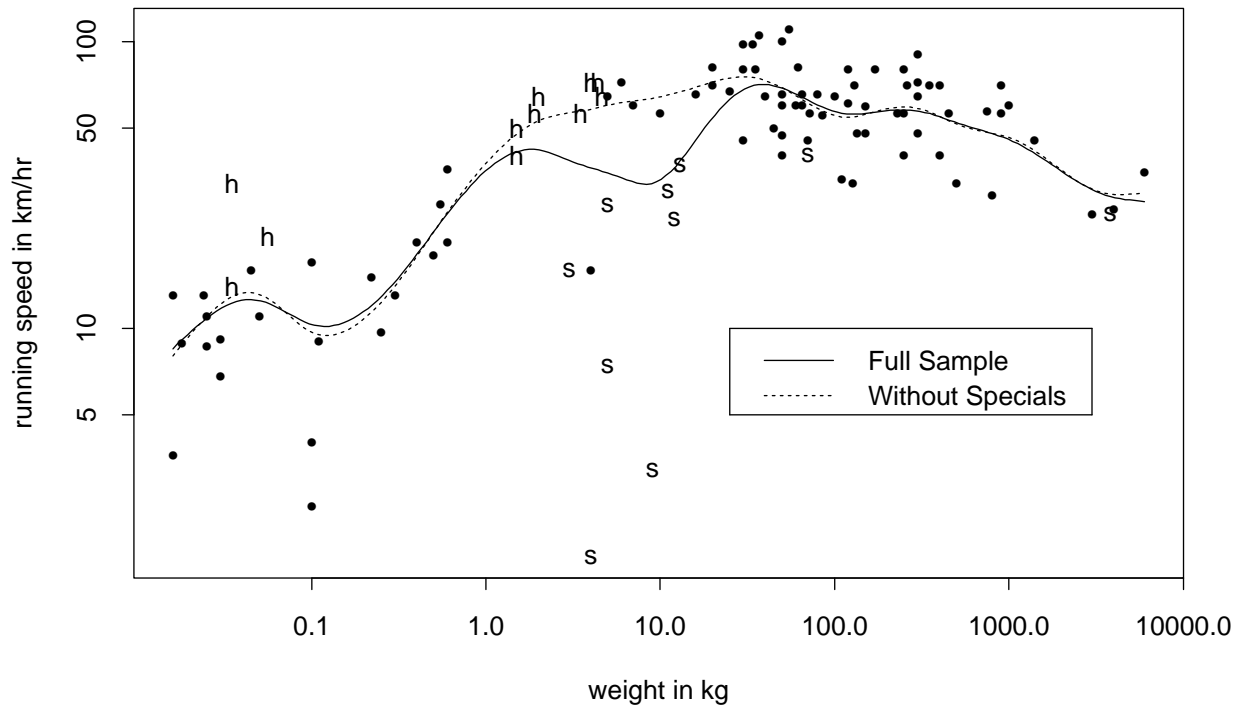


Fig 3.2: Mammal Data and two Least-Squares (Cubic) Smoothing Splines

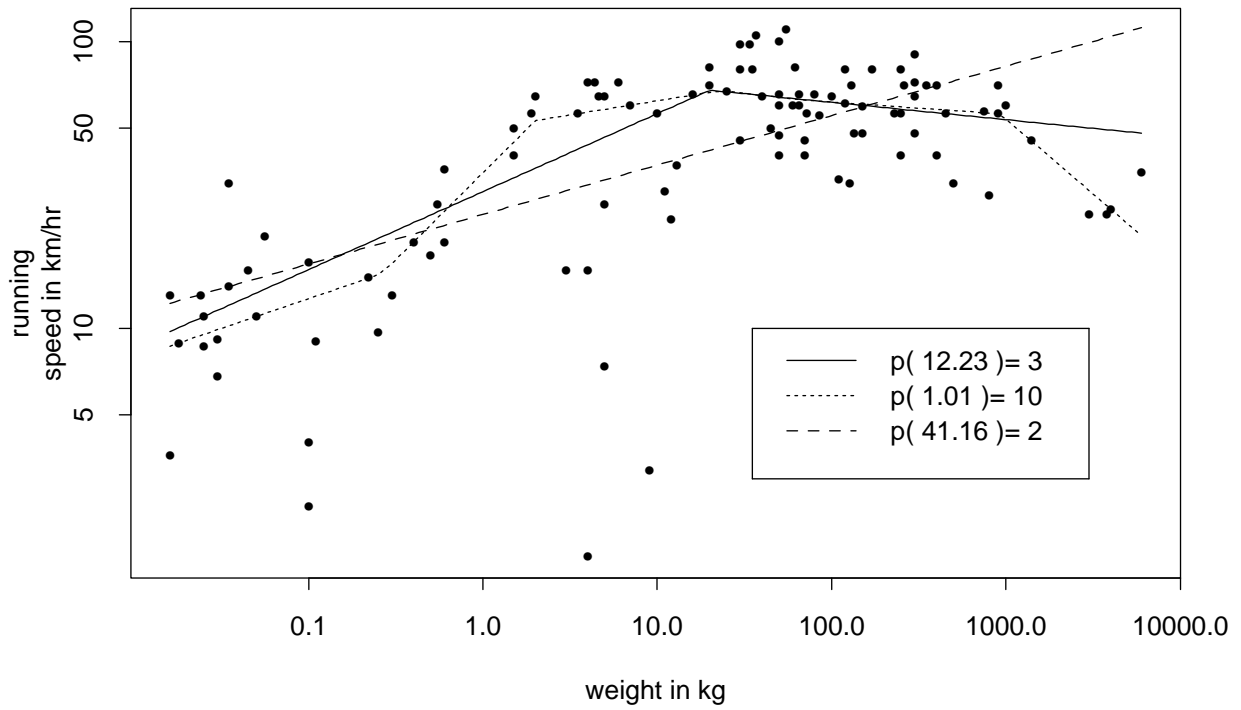


Fig 3.3: Mammal Data and three Median L_1 Smoothing Splines: Effective dimension of the spline is $p(\lambda)$ indicated in the legend

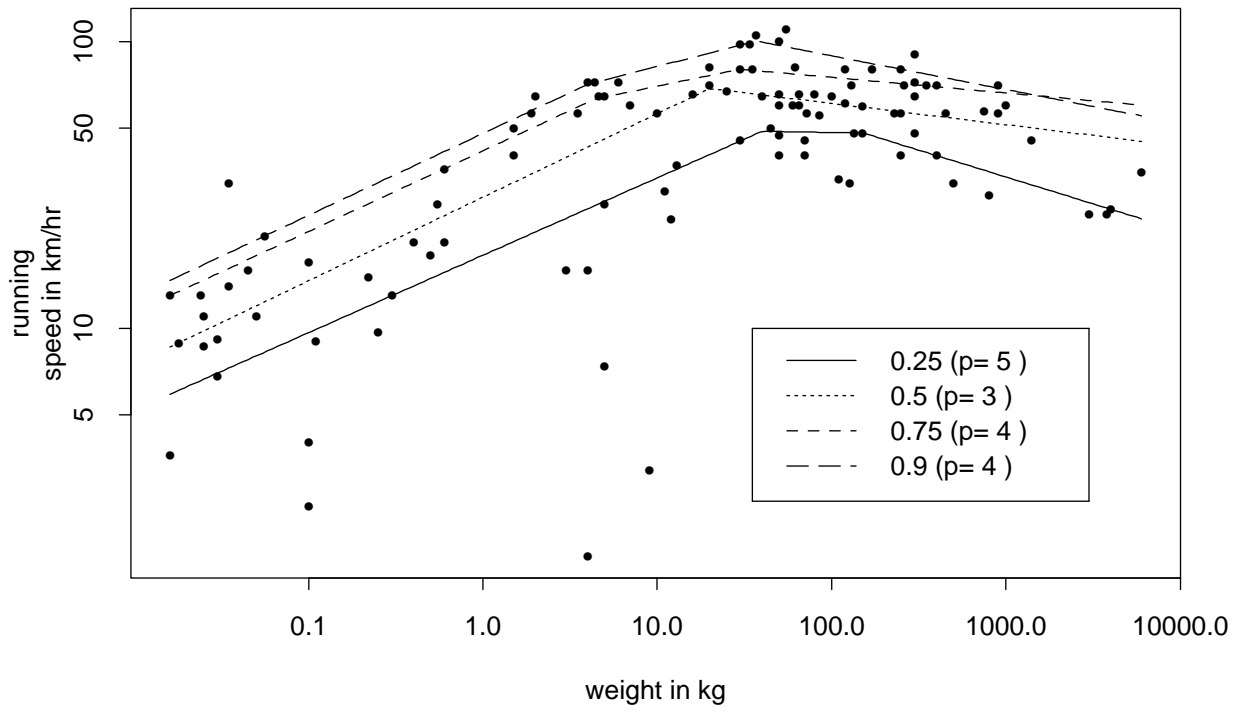


Fig 3.4: Mammal Data and four Quantile L_1 Smoothing Splines

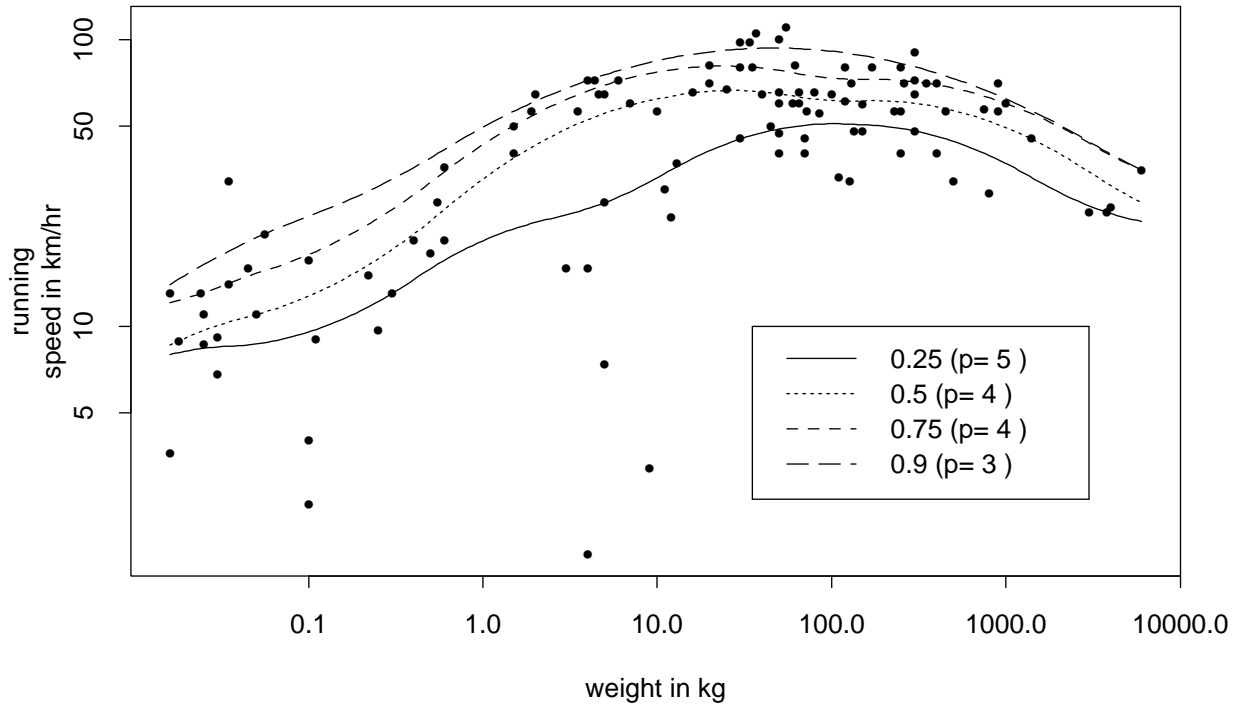


Fig 3.5: Mammal Data and four Quantile L_∞ Smoothing Splines

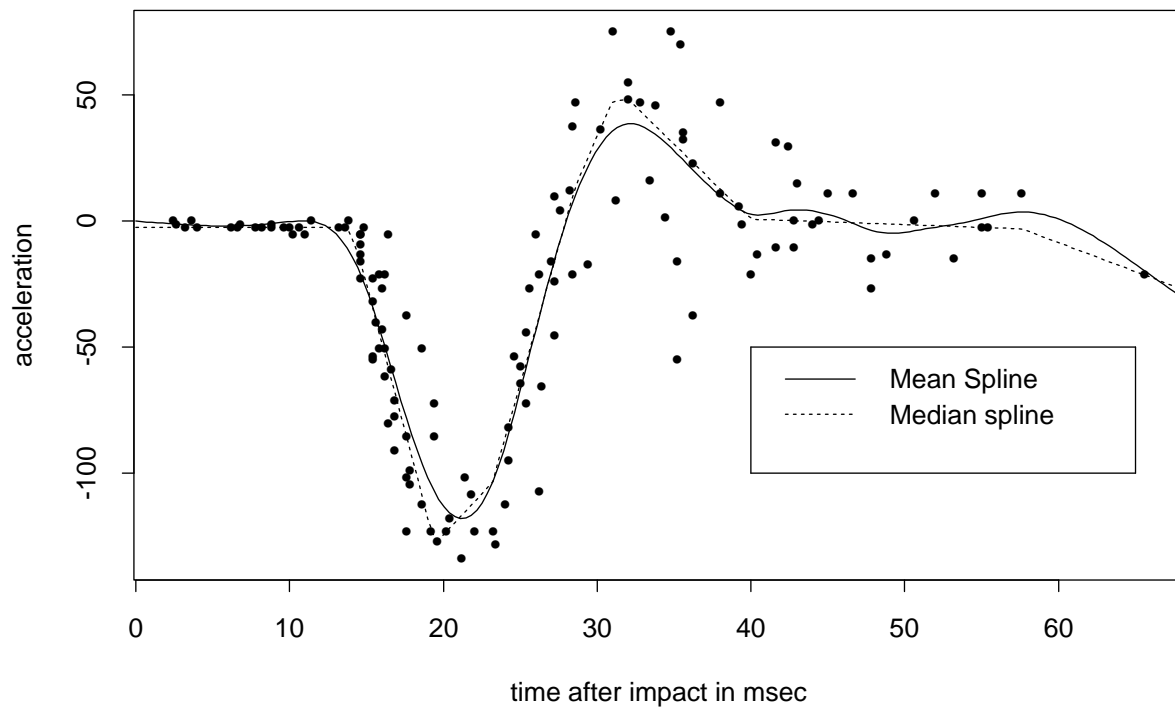


Fig 3.6: Motorcycle Data and Mean and Median Smoothing Splines

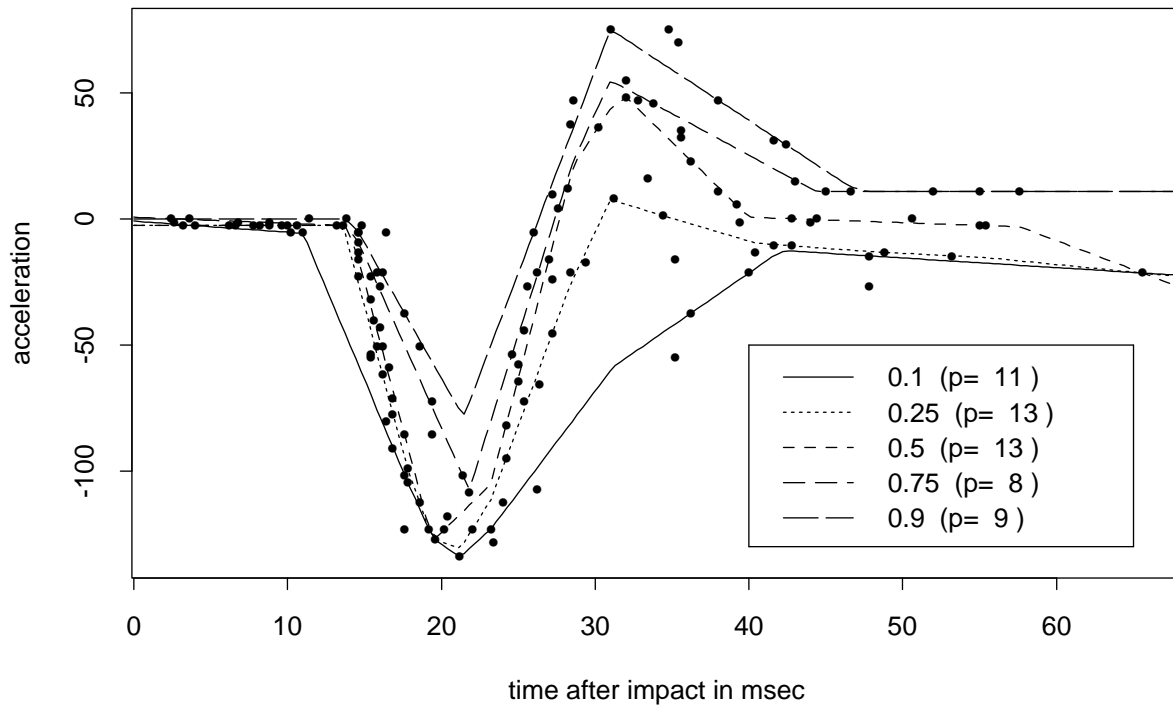


Fig 3.7: Motorcycle Data and four Quantile L_1 Smoothing Splines