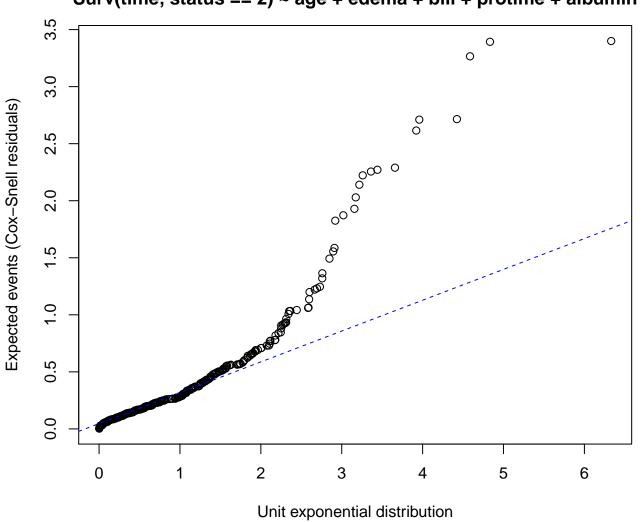
Quantile-quantile plot.

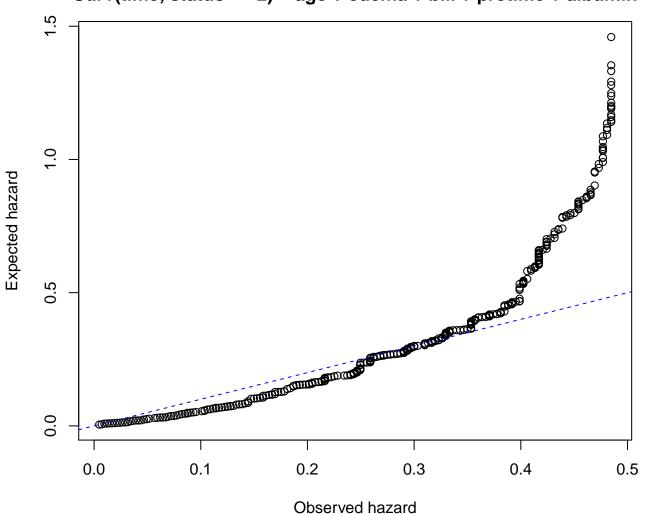
Unit exponential distribution vs. expected events (Cox-Snell residuals). Should follow line through origin at 45 degrees (blue) if well fit.

Complete model: Surv(time, status == 2) ~ age + edema + bili + protime + albumin

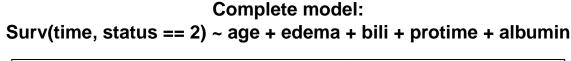


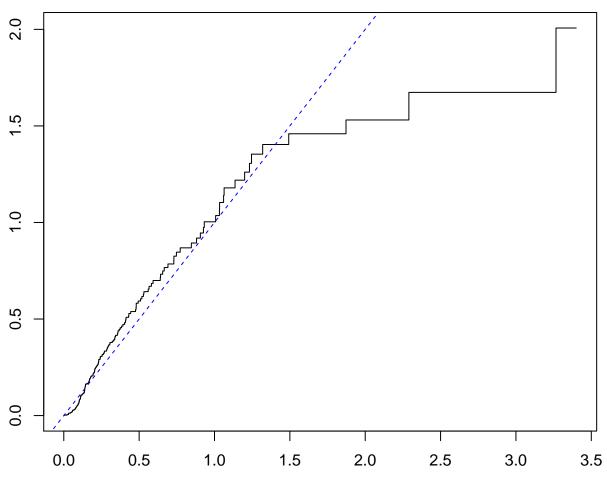
Observed vs. expected hazard. Should follow line through origin at 45 degrees (blue) if well fit.

Complete model:
Surv(time, status == 2) ~ age + edema + bili + protime + albumin



Expected events vs. hazard based on sorted expected events or Cox–Snell residuals vs. cumulative hazard of these residuals. Should follow line through origin at 45 degrees (blue) if well fit.





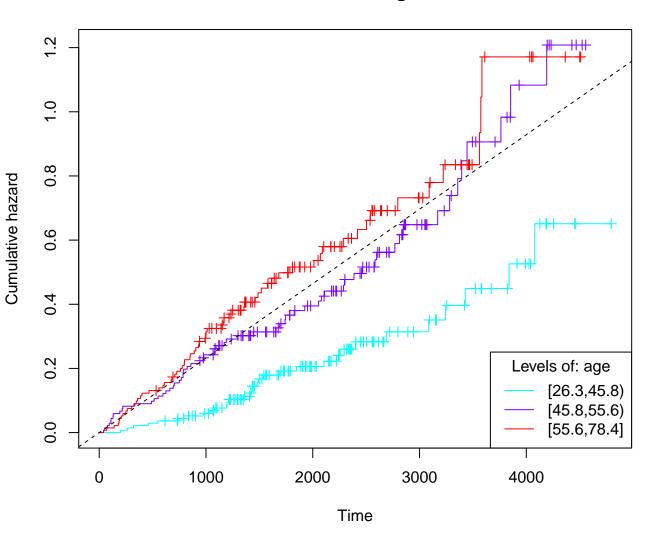
Expected events (sorted), or Cox-Snell residuals

Time vs. hazard, per predictor.

If hazards proportional then curves should be constant multiples of a baseline.

Reference (black) line is 45 degrees.

Predictor: age

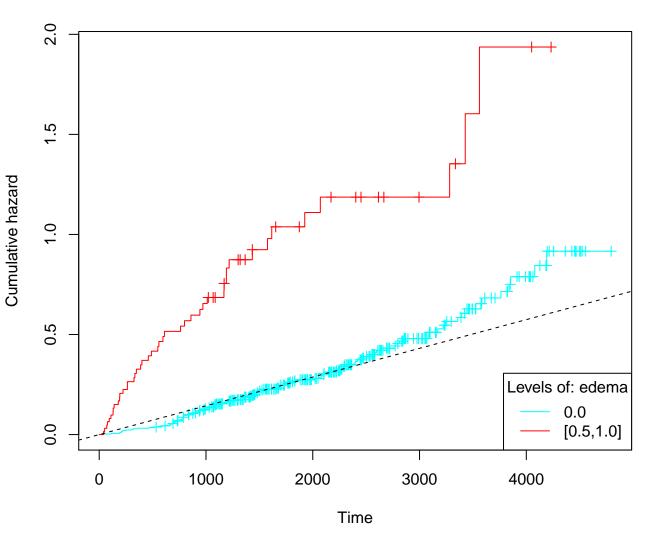


Time vs. hazard, per predictor.

If hazards proportional then curves should be constant multiples of a baseline.

Reference (black) line is 45 degrees.

Predictor: edema

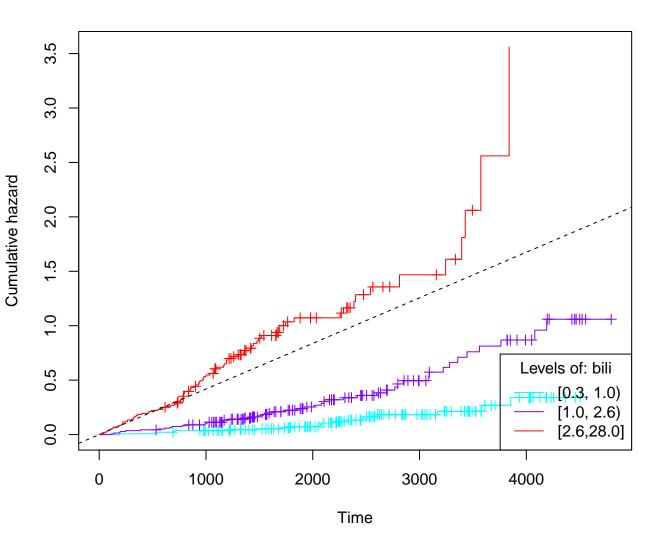


Time vs. hazard, per predictor.

If hazards proportional then curves should be constant multiples of a baseline.

Reference (black) line is 45 degrees.

Predictor: bili

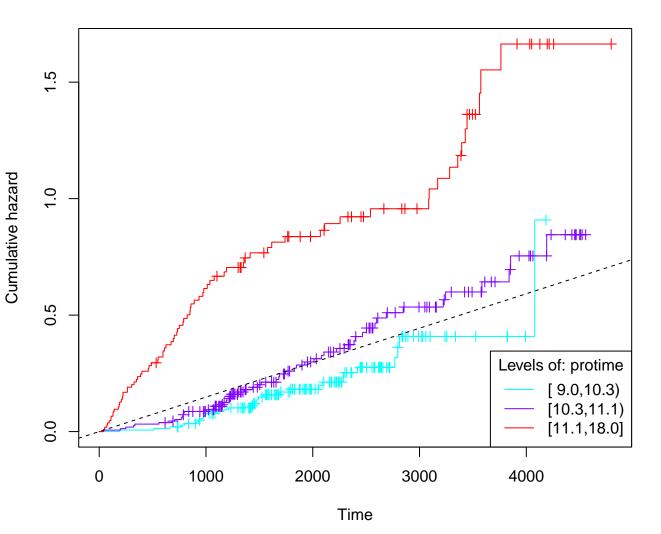


Time vs. hazard, per predictor.

If hazards proportional then curves should be constant multiples of a baseline.

Reference (black) line is 45 degrees.

Predictor: protime

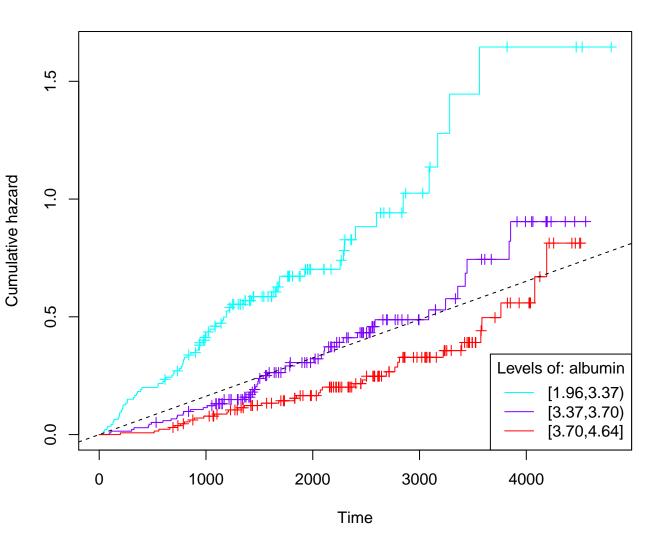


Time vs. hazard, per predictor.

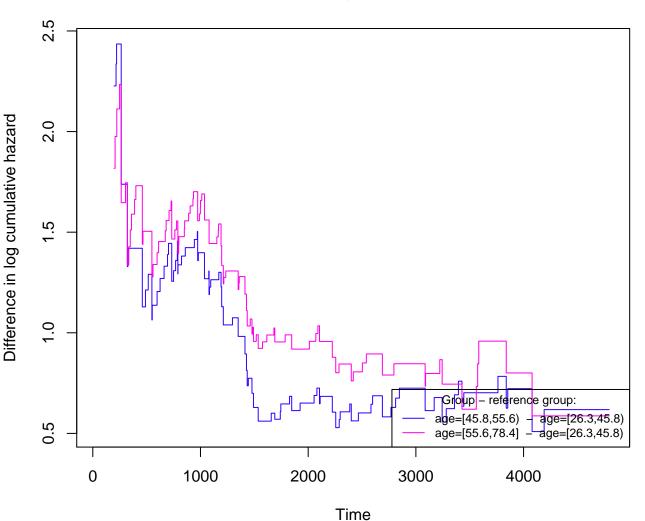
If hazards proportional then curves should be constant multiples of a baseline.

Reference (black) line is 45 degrees.

Predictor: albumin

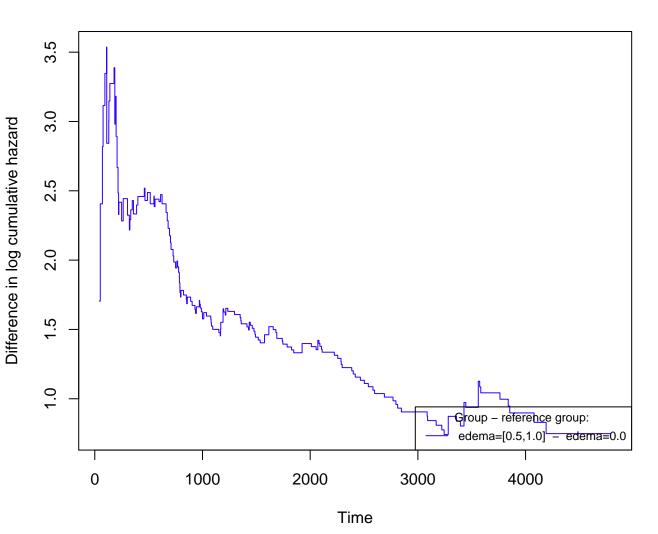


Reference: age = [26.3,45.8)

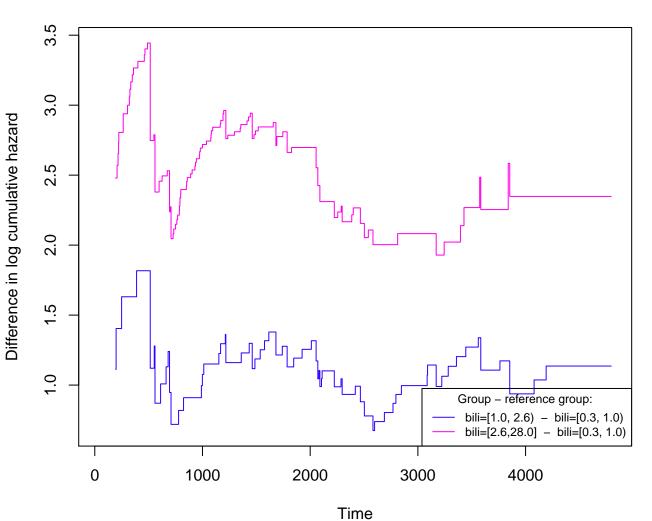


Time vs. difference in log hazards, per predictor.
Should be constant over time.
If >0 (black line) shows survival advantage for reference group.

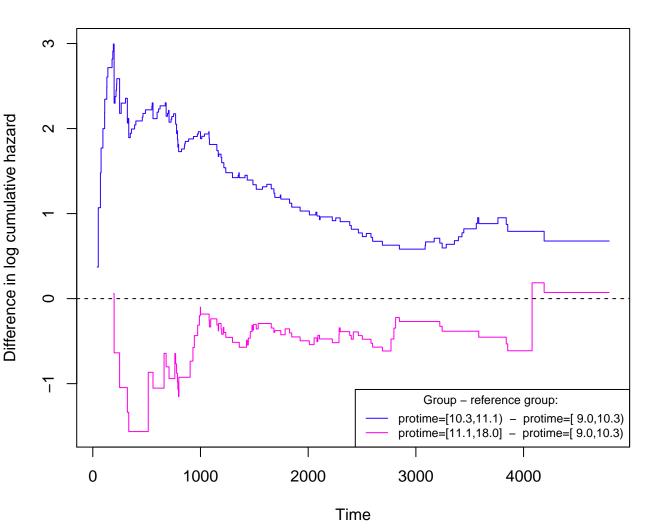
Reference: edema = 0.0



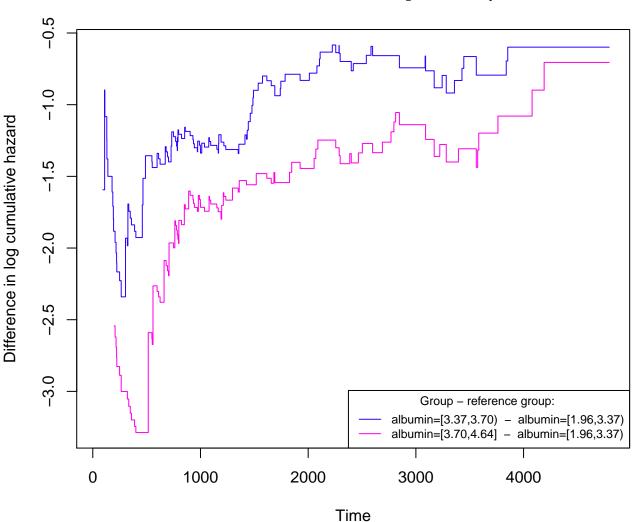
Reference: bili = [0.3, 1.0)



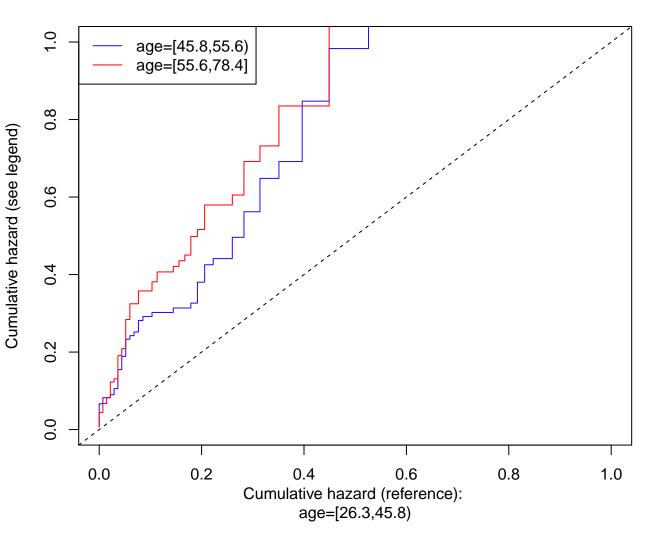
Reference: protime = [9.0,10.3)



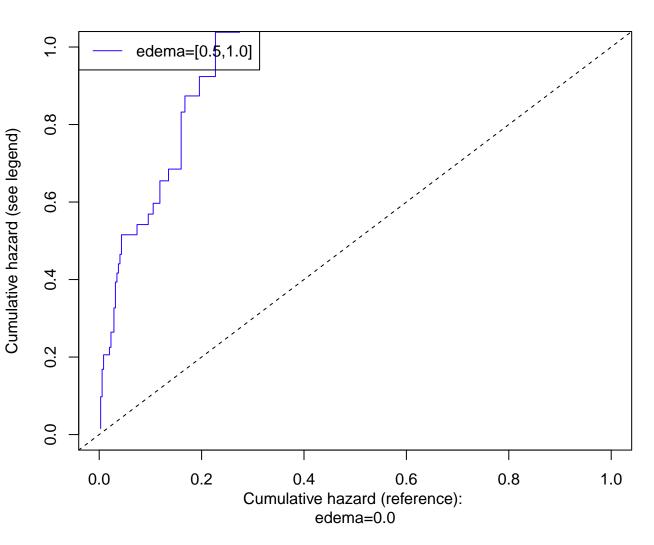
Reference: albumin = [1.96,3.37)



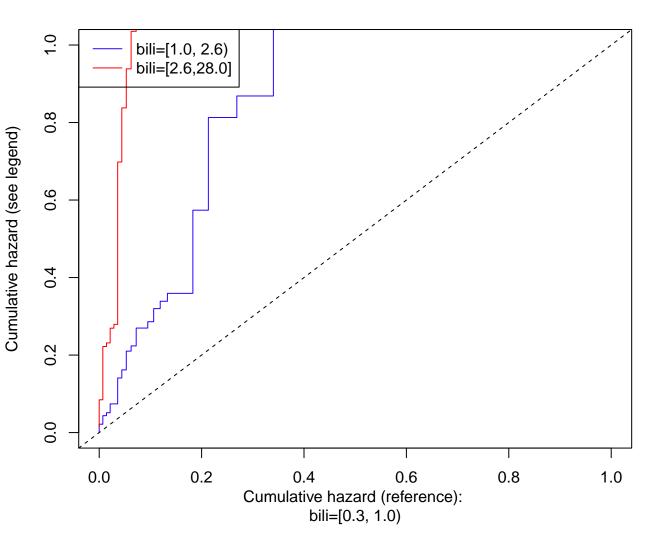




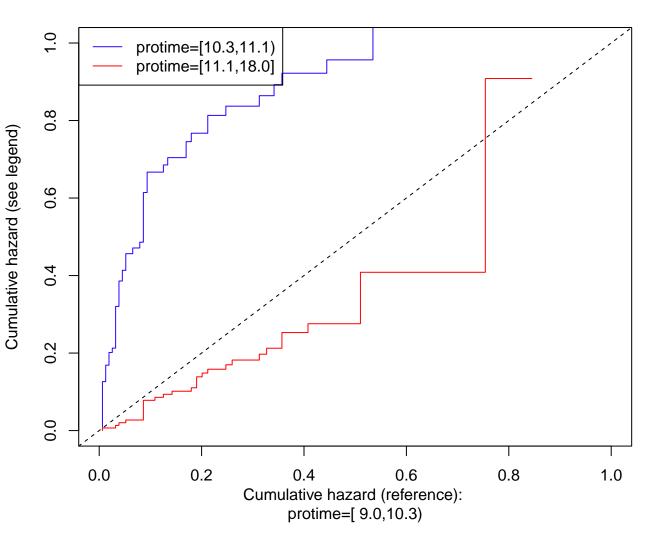
Predictor: edema



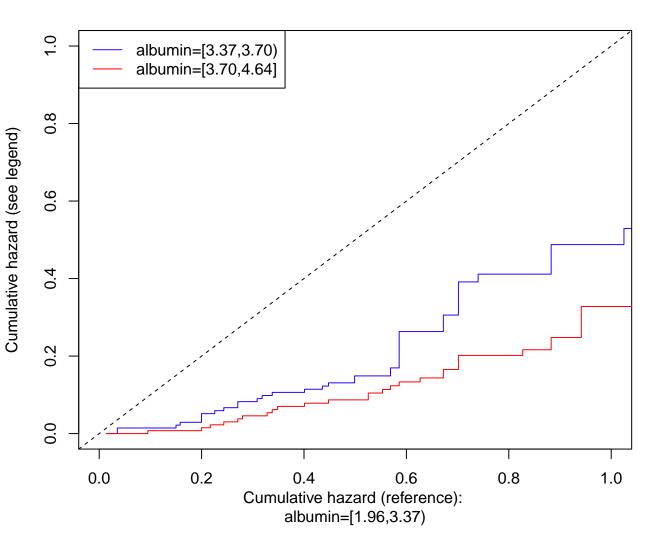
Predictor: bili



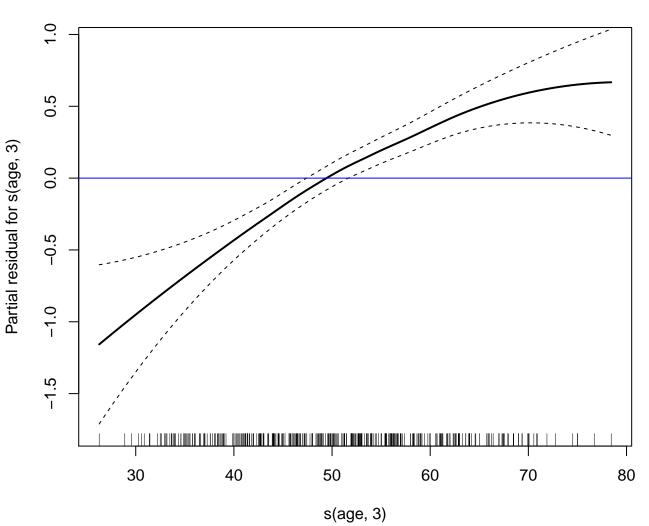
Predictor: protime



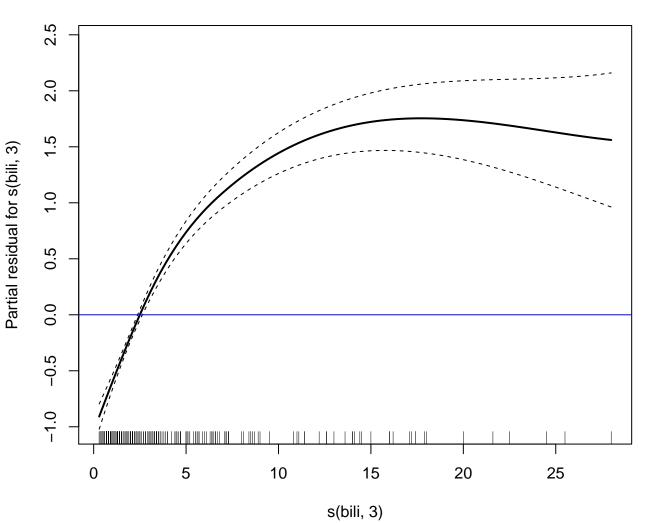
Predictor: albumin



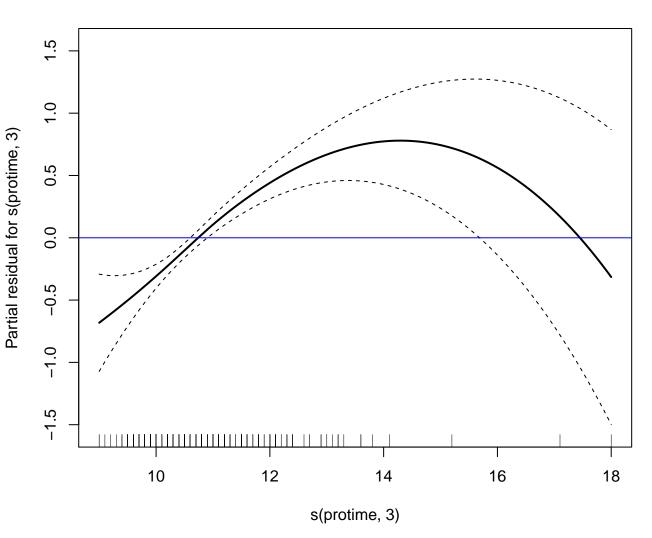
Predictor: s(age, 3)



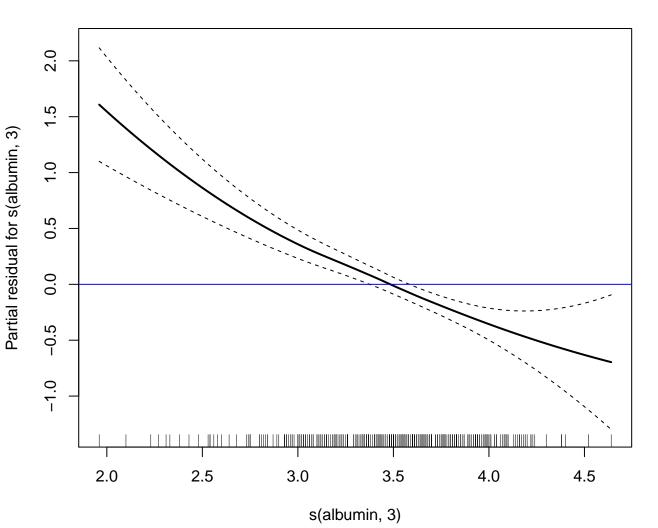




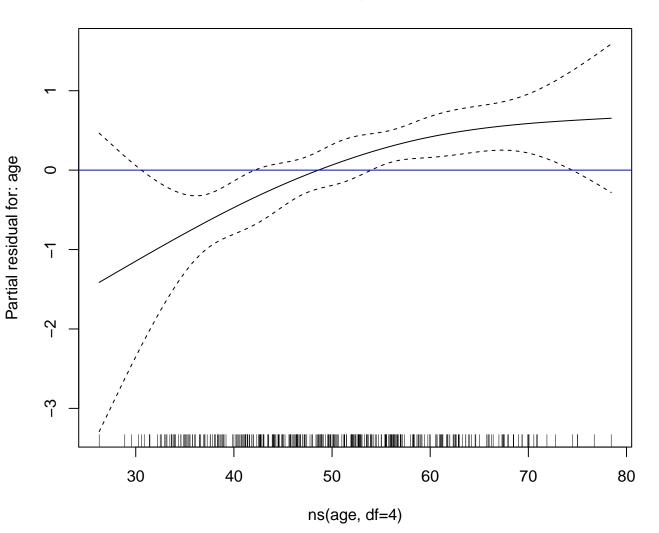
Predictor: s(protime, 3)



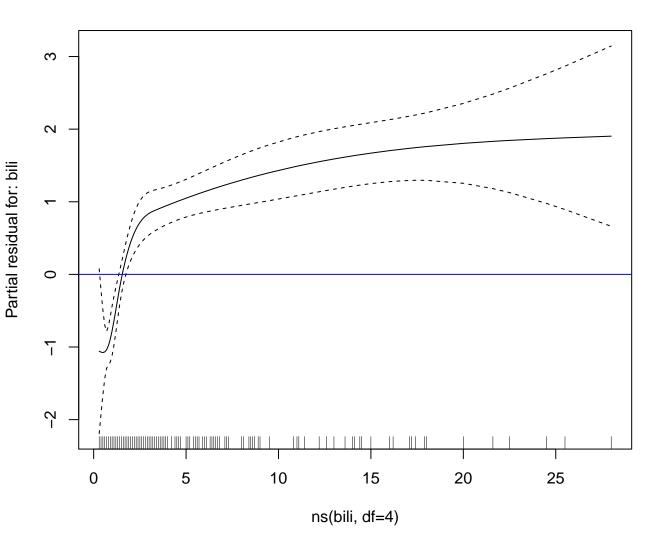
Predictor: s(albumin, 3)



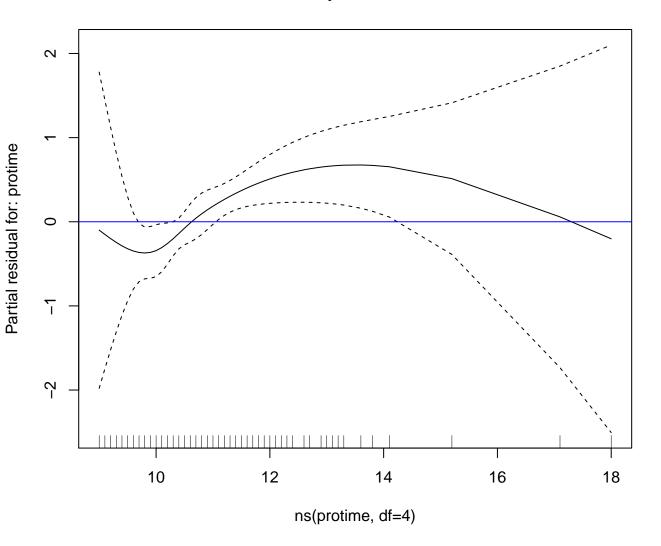
Predictor: age with 4 df



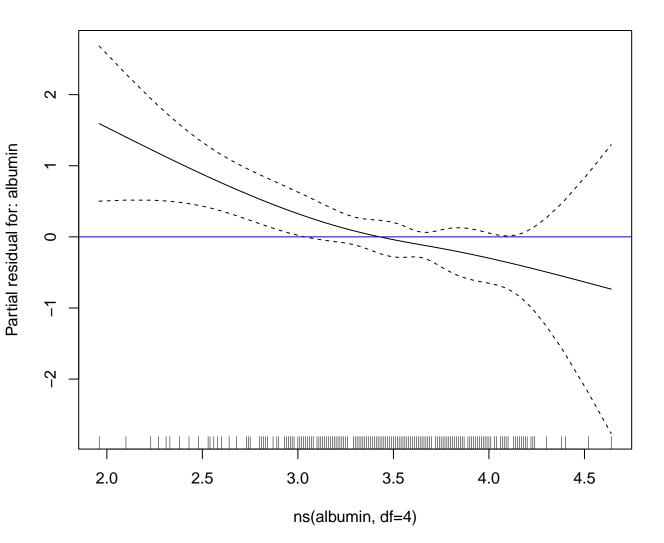
Predictor: bili with 4 df



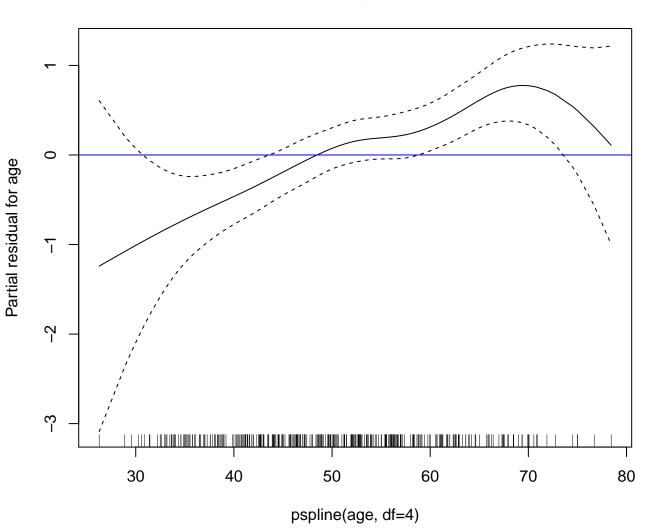
Predictor: protime with 4 df



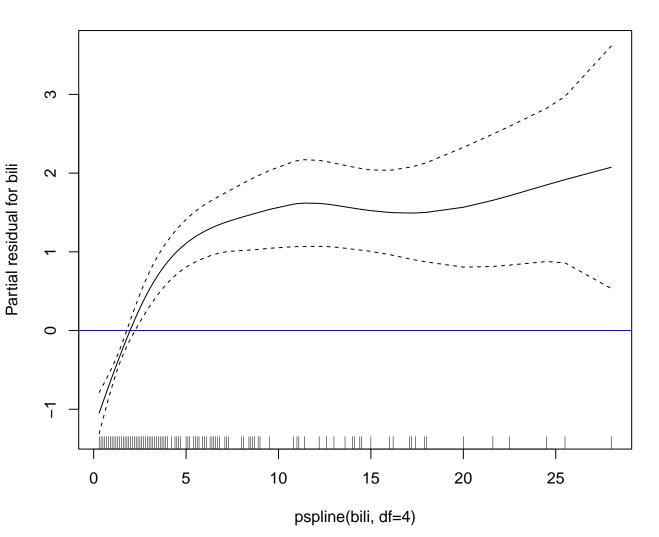
Predictor: albumin with 4 df



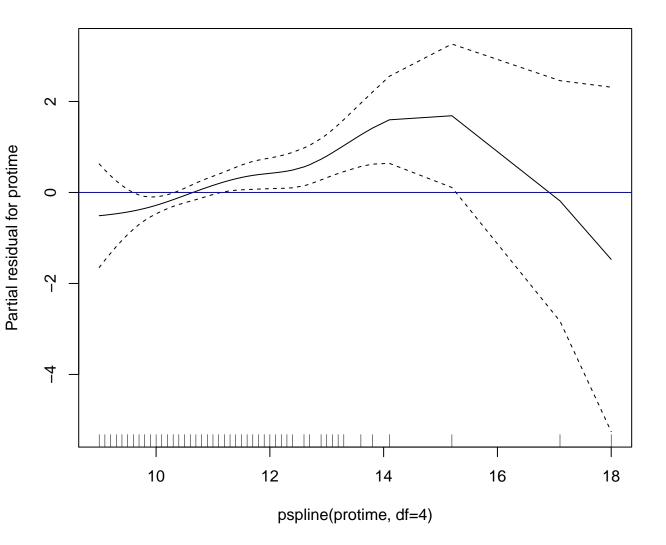
Predictor: age with 4 df



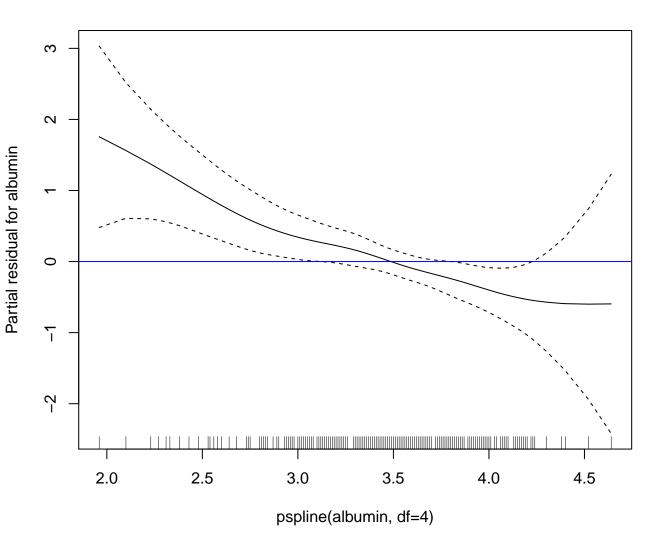
Predictor: bili with 4 df



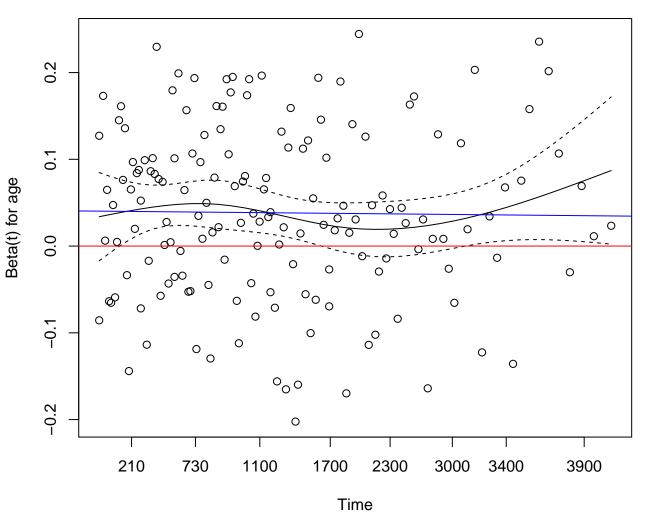
Predictor: protime with 4 df



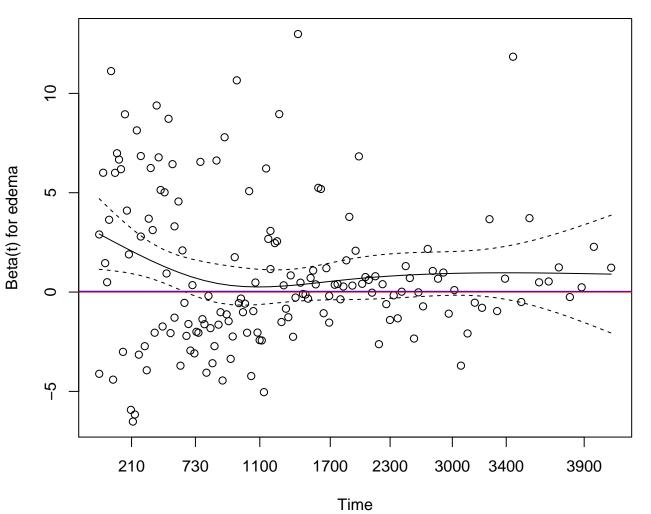
Predictor: albumin with 4 df



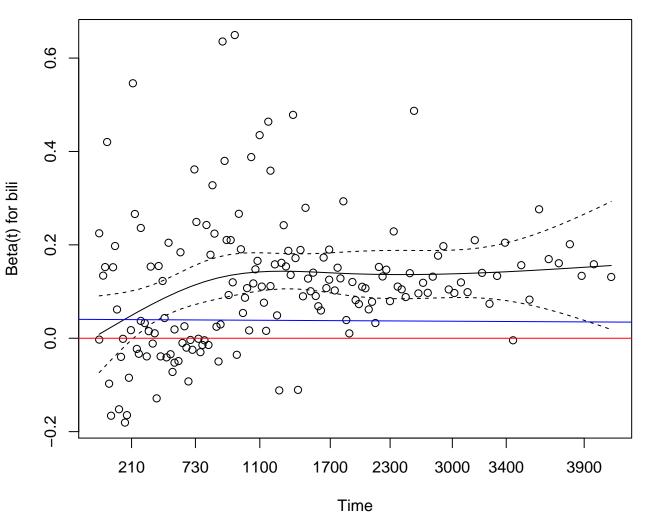
Predictor: age Time transform: km



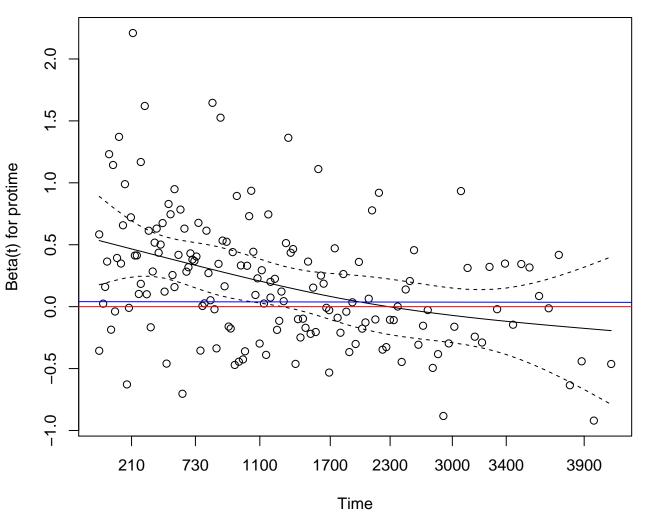
Predictor: edema Time transform: km



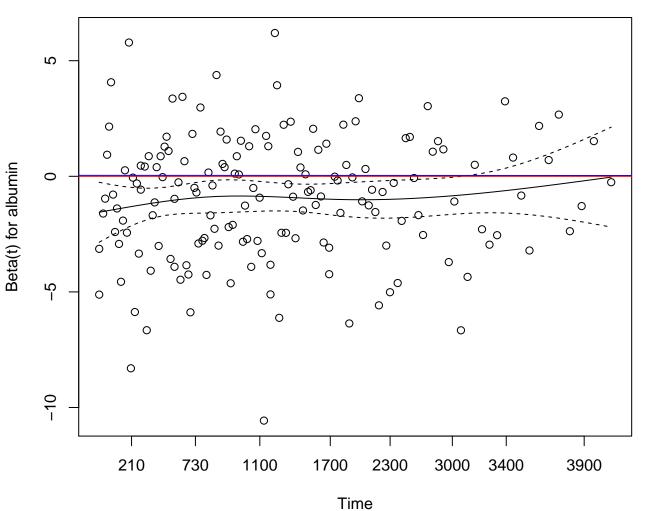
Predictor: bili Time transform: km



Predictor: protime Time transform: km

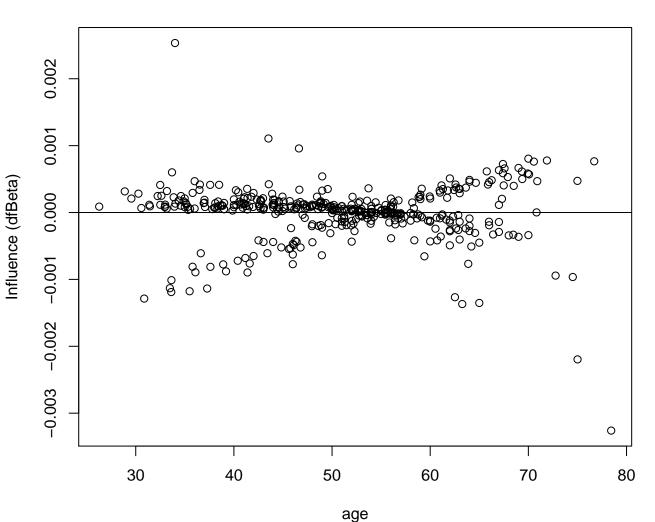


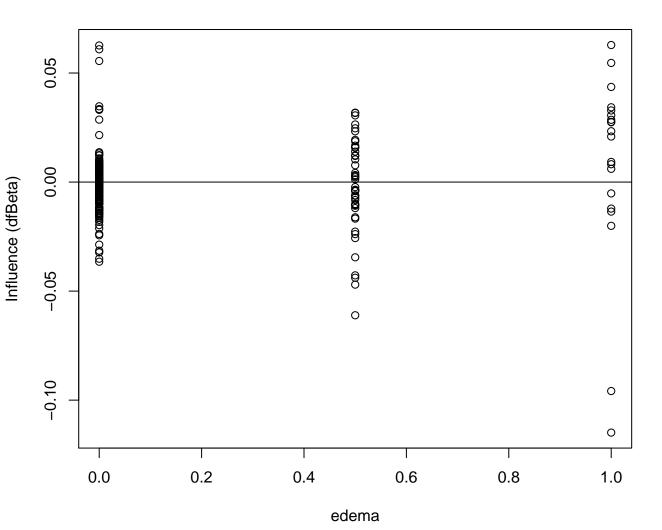
Predictor: albumin Time transform: km

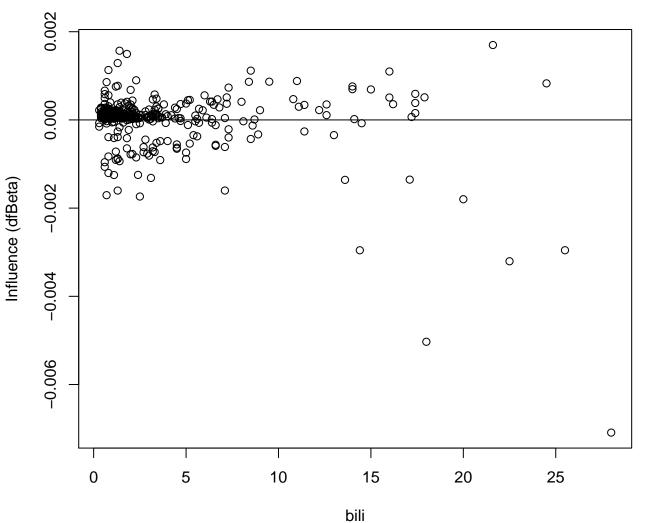


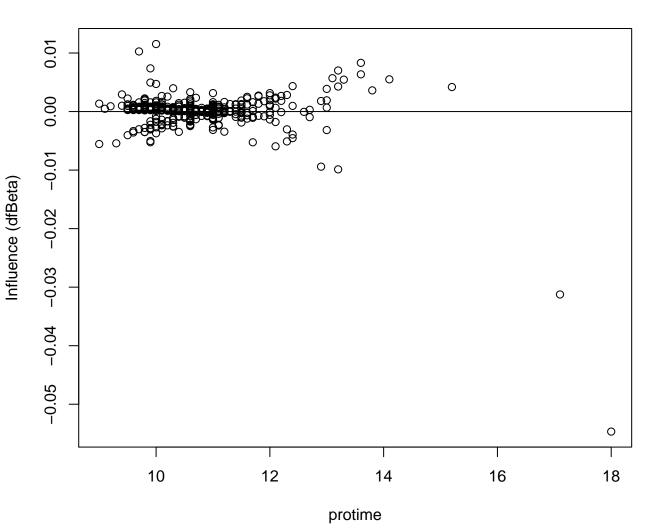
Coefficient vs. jacknife influence.
Change in coefficient if this observation dropped.
Outliers may need to be re–examined

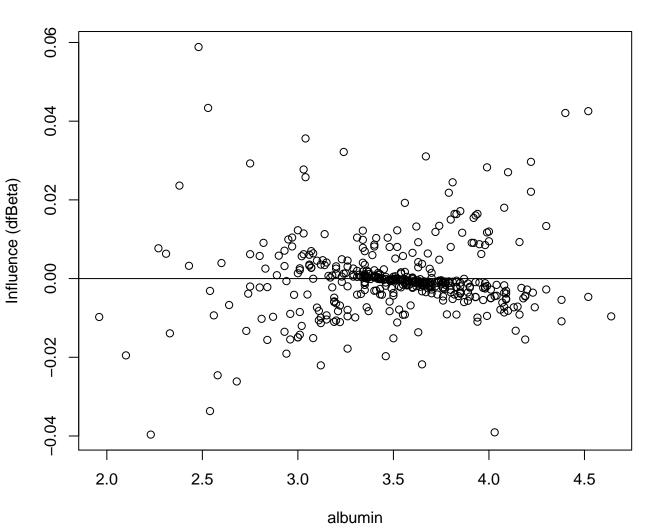
Coefficient: age



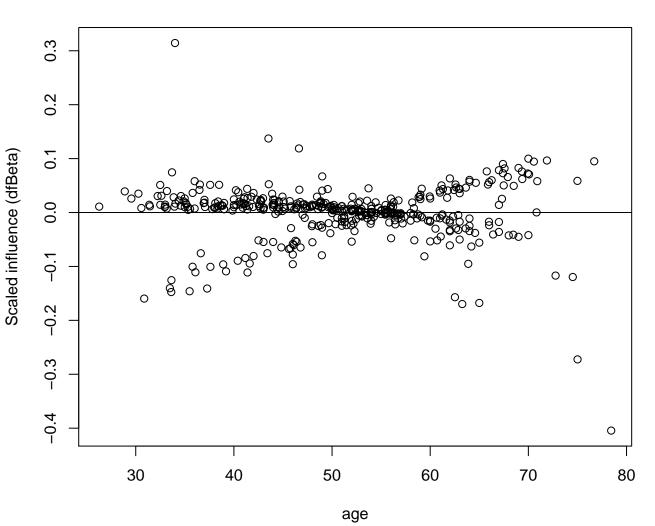


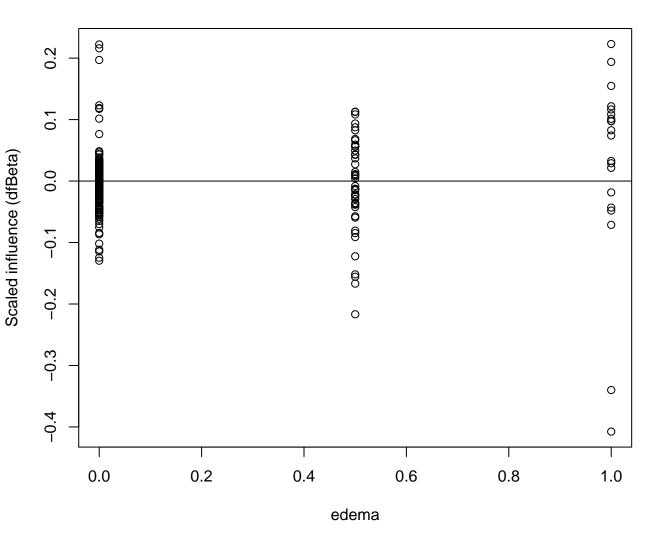


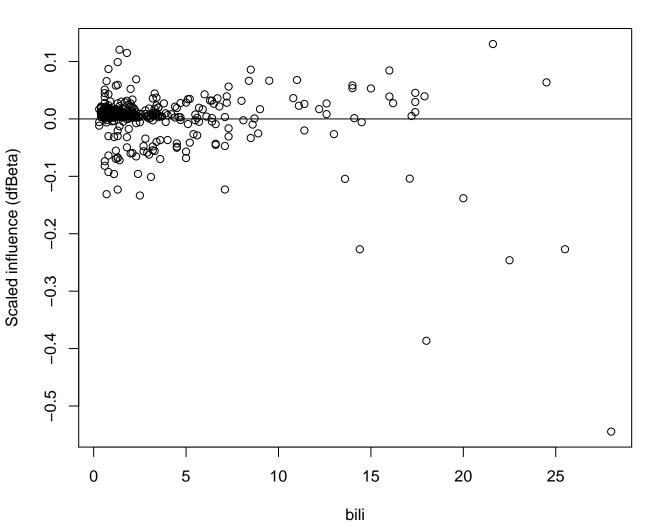


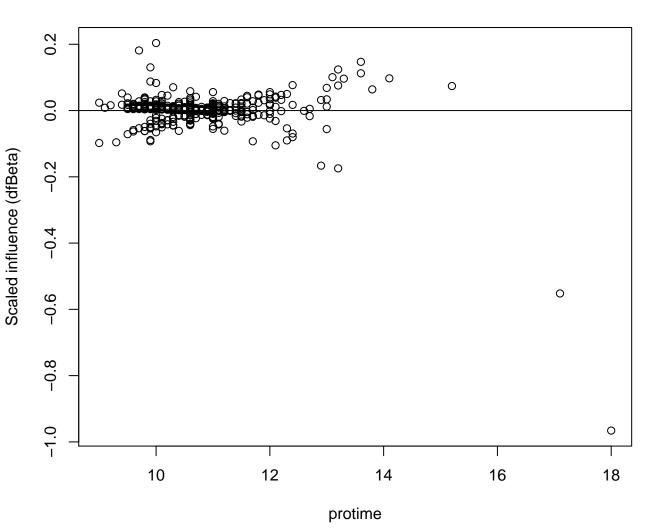


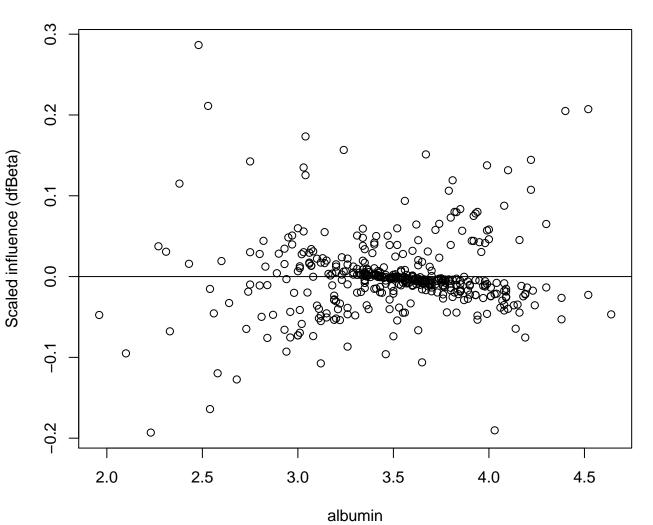
Coefficient: age





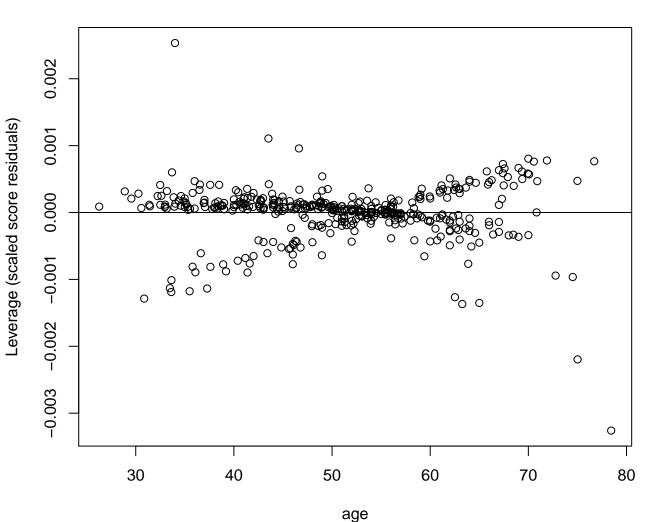




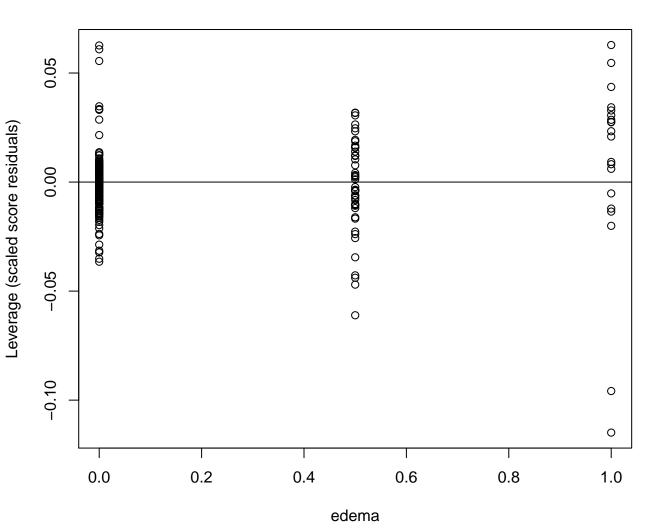


Coefficient vs. scaled score residuals.
Assesses leverage: influence of observation on a single coefficient.
Outliers may need to be re–examined

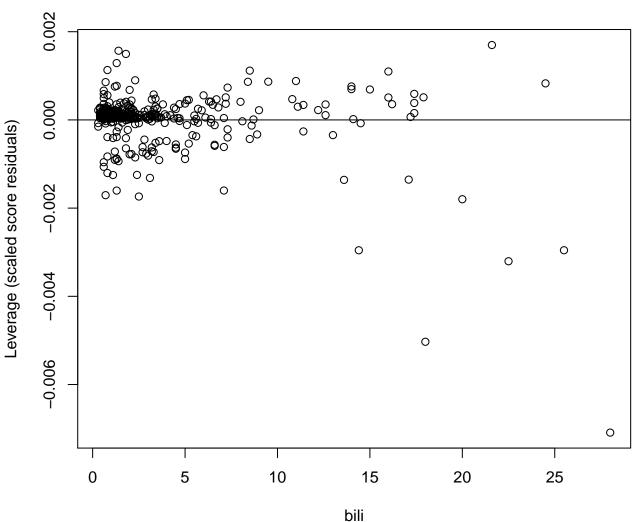
Coefficient: age



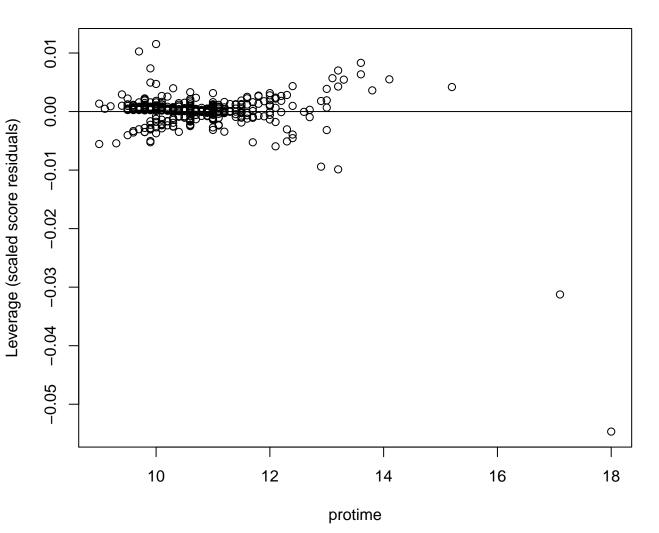
Coefficient vs. scaled score residuals. Assesses leverage: influence of observation on a single coefficient. Outliers may need to be re–examined



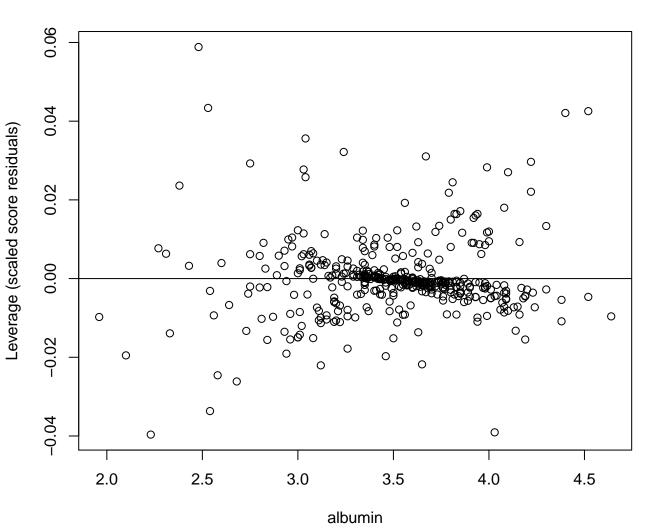
Coefficient vs. scaled score residuals.
Assesses leverage: influence of observation on a single coefficient.
Outliers may need to be re–examined



Coefficient vs. scaled score residuals. Assesses leverage: influence of observation on a single coefficient. Outliers may need to be re–examined



Coefficient vs. scaled score residuals.
Assesses leverage: influence of observation on a single coefficient.
Outliers may need to be re–examined



Coefficient: age

