> library(DescTools)

> Cstat(ASTJU)

**[1] 0.7477494**

> library(glmtoolbox)

> hltest(ASTJU)

The Hosmer-Lemeshow goodness-of-fit test

Group Size Observed Expected

1 36 21 20.17560

2 36 26 26.47258

3 36 28 29.01068

4 36 32 30.55600

5 37 34 32.62783

6 37 30 33.54323

7 36 33 33.35390

8 37 36 34.73889

9 36 36 34.38973

10 32 30 31.13157

Statistic = 9.23709

degrees of freedom = 8

**p-value = 0.32269**

> ASTJU <- glm(formula = LastFUocclusion ~ HuntHessOrd, family = binomial())

> summary(ASTJU)

Call:

glm(formula = LastFUocclusion ~ HuntHessOrd, family = binomial())

Deviance Residuals:

Min 1Q Median 3Q Max

-2.0241 0.5254 0.5254 0.5592 0.7128

Coefficients:

Estimate Std. Error z value Pr(>|z|)

(Intercept) 1.91041 0.19477 9.808 <2e-16 \*\*\*

HuntHessOrd -0.13396 0.09867 -1.358 0.175

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 300.54 on 358 degrees of freedom

Residual deviance: 298.78 on 357 degrees of freedom

AIC: 302.78

Number of Fisher Scoring iterations: 4

> OddsRatio(ASTJU)

Waiting for profiling to be done...

Call:

glm(formula = LastFUocclusion ~ HuntHessOrd, family = binomial())

Odds Ratios:

or or.lci or.uci Pr(>|z|)

(Intercept) 6.756 4.679 10.060 < 2.2e-16 \*\*\*

**HuntHessOrd 0.875 0.724 1.068 0.1746**

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Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

Brier Score: 0.125 Nagelkerke R2: 0.009

> ASTJU <- glm(formula = LastFUocclusion ~ Male + CurrentSmoker + PresentationRuptured + HuntHessOrd + MRS5 + MRS4 + MRS3 + MRS2 + MRS1 + MRS0 + Bifurcation + Multipleaneurysms + Daughtersac + FemoralAccess + Adjunctdevice + Elderly + Maxdiameter, family = binomial())

> OddsRatio(ASTJU)

Waiting for profiling to be done...

Call:

glm(formula = LastFUocclusion ~ Male + CurrentSmoker + PresentationRuptured +

HuntHessOrd + MRS5 + MRS4 + MRS3 + MRS2 + MRS1 + MRS0 + Bifurcation +

Multipleaneurysms + Daughtersac + FemoralAccess + Adjunctdevice +

Elderly + Maxdiameter, family = binomial())

Odds Ratios:

or or.lci or.uci Pr(>|z|)

(Intercept) 52.484 9.738 345.762 1.19e-05 \*\*\*

**Male 0.694 0.351 1.382 0.2942**

**CurrentSmoker 1.367 0.664 2.897 0.4030**

**PresentationRuptured 1.312 0.460 3.817 0.6135**

**HuntHessOrd 0.863 0.606 1.253 0.4206**

**MRS5 0.518 0.111 2.644 0.4085**

**MRS4 0.274 0.057 1.547 0.1138**

**MRS3 0.554 0.149 2.732 0.4120**

**MRS2 0.330 0.097 1.330 0.0901 .**

**MRS1 0.486 0.212 1.154 0.0918 .**

**Bifurcation 0.515 0.142 1.456 0.2528**

**Multipleaneurysms 1.352 0.683 2.722 0.3906**

**Daughtersac 1.198 0.602 2.450 0.6116**

**FemoralAccess 2.377 0.935 5.749 0.0596 .**

**Adjunctdevice 0.566 0.220 1.592 0.2551**

**Elderly 0.805 0.383 1.705 0.5666**

**Maxdiameter 0.774 0.686 0.867 1.60e-05 \*\*\***

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Signif. codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 ' ' 1

Brier Score: 0.11 Nagelkerke R2: 0.183