y ~ -8.52631601539242

- 0.0923567222537627 \* male

+ 0.0290363084272091 \* age

+ 0.0092356173021866 \* ALB

+ 0.722878773871615 \* log\_CRE

- 0.0049983275664244 \* HB

- 0.405733153238209 \* log\_POT

- 0.0173167161372026 \* SOD

- 0.926394278190914 \* log\_WBC

+ 0.0849043328764816 \* log\_URE

- 2.50991302402764 \* AKI1

+ 0.605808705446978 \* AKI2

- 2.11411251333198 \* AKI3

+ 0.0927106665387944 \* NEWS

+ 0.301592181660245 \* log\_resp

+ 0.334402779962246 \* temp

- 0.0030179602339298 \* log\_syst

- 0.65202131698564 \* log\_dias

+ 0.721046836866546 \* log\_pulse

- 0.0443646342241664 \* sat

+ 0.464748544217533 \* sup

- 1.03561896758835 \* alert1

- 0.259613235291445 \* alert2

- 0.521750564446792 \* alert3

+ 0.0125515918811836 \* hb\_log\_wbc

- 0.0006332289440029 \* alb\_hb

- 0.0439171483448928 \* news\_log\_wbc

+ 0.0305921773555555 \* aki1\_sat

- 0.381678585772666 \* aki1\_sup

+ 19.9601587869262 \* aki3\_log\_cre

+ 0.0212393757680591 \* age\_aki3

+ 0.0010675024182903 \* news\_sat

* 0.0658433432598607 \* news\_alert3

     pred = exp(y)/(1+exp(y))

Attached is 100 cases where we predicted Sepsis score (pred) at the end, please

See the R code below that we used for these variables.  Sepsis is suspected if score > 0.20.

log\_CRE = 1/sqrt(CRE)

log\_WBC = log(WBC+1)

log\_URE = log(URE)

log\_POT = log(POT)

log\_syst = log(syst)

log\_dias = log(dias)

log\_resp = log(resp+1)

log\_pulse = log(pulse)

AKI1 = ifelse(AKI==1,1,0)

AKI2 = ifelse(AKI==2,1,0)

AKI3 = ifelse(AKI==3,1,0)

alert1 = ifelse(alert==1,1,0)

alert2 = ifelse(alert==2,1,0)

alert3 = ifelse(alert==3,1,0)

#Pain=1, Voice=2, Unconscious=3

hb\_log\_wbc <- HB\*log\_WBC

alb\_hb <- ALB\*HB

news\_log\_wbc <- NEWS\*log\_WBC

aki1\_sat <- AKI1\*sat

aki1\_sup <- AKI1\*sup

aki3\_log\_cre <- AKI3\*log\_CRE

age\_aki3 <- age\*AKI3

news\_sat <- NEWS\*sat

news\_alert3 <- NEWS\*alert3

Let me know if you have any question.