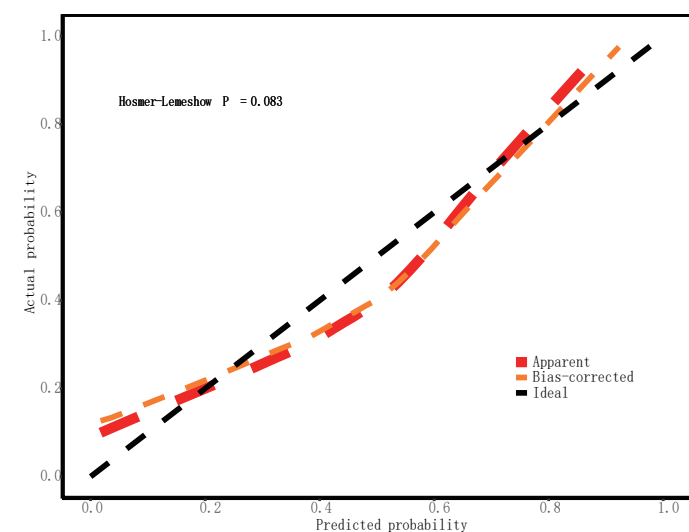


① Calibration Curve of Clinical-Radiomics model



Derivation

Hosmer and Lemeshow goodness of fit (GOF) test

←

data: `fit_train$y`, `fitted(fit_train)`

X-squared = 13.969, df = 8, p-value = 0.08258

←

Validation

←

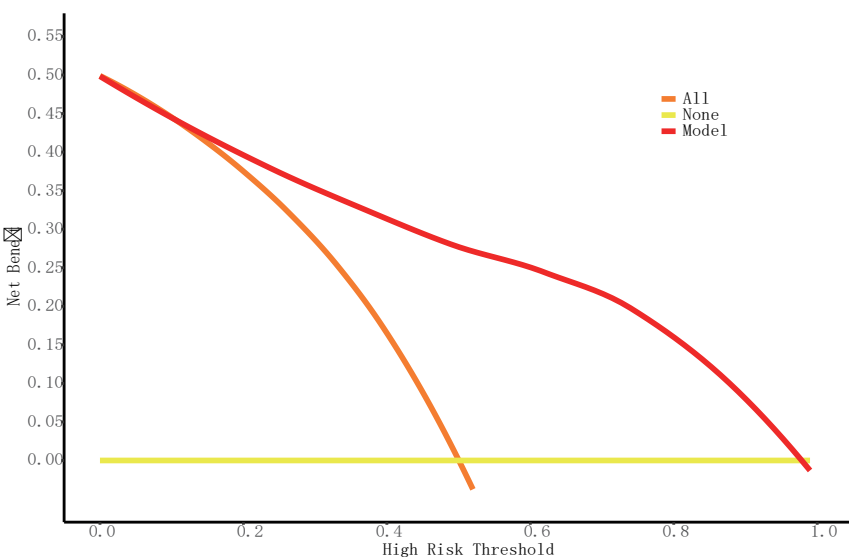
Hosmer and Lemeshow goodness of fit (GOF) test

←

data: `fit_test$y`, `fitted(fit_test)`

X-squared = 6.7995, df = 8, p-value = 0.5584

③ DCA of Clinical-Radiomics model



④ DeLong test of Clinical-Radiomics model

DeLong's test for two ROC curves

←

data: `roc1` and `roc2`

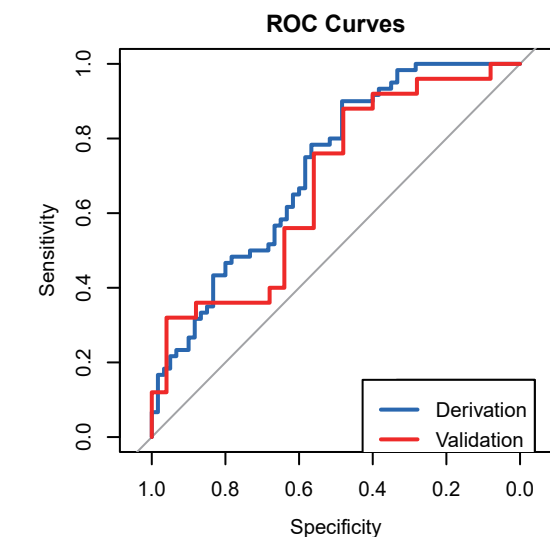
D = 0.24221, df = 88.92, p-value = 0.8092

alternative hypothesis: true difference in AUC is not equal to 0
sample estimates:

AUC of roc1 AUC of roc2

0.867778 0.852800

⑤ Radiomic Score AUC



delong test

DeLong's test for two ROC curves

←

data: `roc1` and `roc2`

D = 0.46688, df = 85.867, p-value = 0.6418

alternative hypothesis: true difference in AUC is not equal to 0
sample estimates:

AUC of roc1 AUC of roc2

0.718889 0.676800

Permutation test

Permutation Test

> `cat("Permutation Test p-value:", perm_test_results$p_value, "\n")`

Permutation Test p-value: 0.024