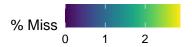
Bertens Validation

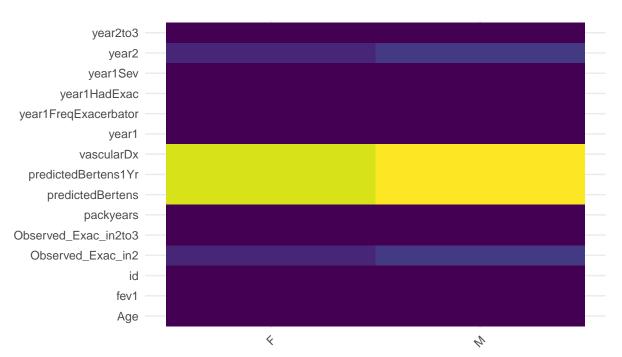
Amin Adibi

23/03/2021

Validation

Missing Values





шш	## # A tibble: 6 x 16										
##	#	A LIDDIE: 0 X 10									
##		id	Age	sex	fev1	packyears	vascularDx	year1	year1Sev	year2	year2to3
##		<chr></chr>	<dbl></dbl>	<chr></chr>	<dbl></dbl>	<dbl></dbl>	<lg1></lg1>	<dbl></dbl>	<dbl></dbl>	<dbl></dbl>	<dbl></dbl>
##	1	100033	60	M	33.6	27	FALSE	0	0	1	2
##	2	100051	70	M	54.1	68	FALSE	1	0	1	3
##	3	100120	72	F	43.2	20	FALSE	0	0	3	4
##	4	100219	67	F	28.4	40	FALSE	1	0	1	1
##	5	100235	62	M	44.4	50	FALSE	1	0	0	0
##	6	100411	75	M	45.9	22	FALSE	1	1	0	3
##	#	wit	th 6 m	ore va	riables	: Observe	d_Exac_in2to	o3 <db]< td=""><td>>,</td><td></td><td></td></db]<>	>,		
шш	#	Obaca	arrad Er		0 /4515	**************************************	aFra carbat	~~ /dh1	> ******1I	JodEmo.	- /dh1\

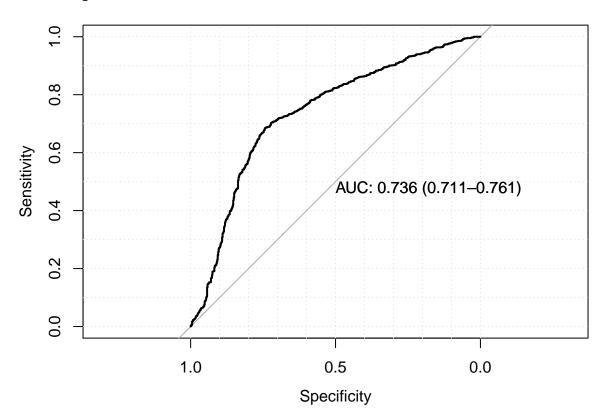
^{## #} Observed_Exac_in2 <dbl>, year1FreqExacerbator <dbl>, year1HadExac <dbl>,

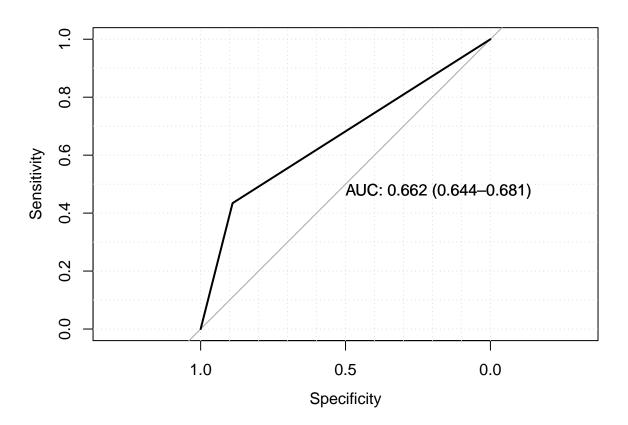
^{## #} predictedBertens <dbl>, predictedBertens1Yr <dbl>

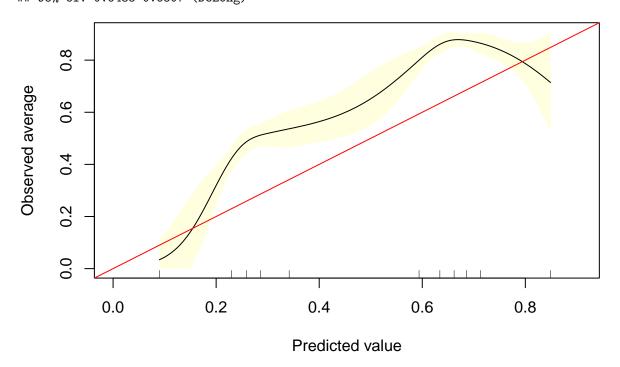
Two years, Bertens vs History - all COPD

```
## Setting levels: control = 0, case = 1
```

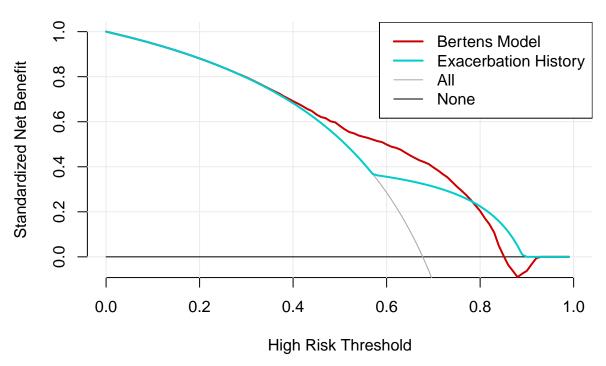
Setting direction: controls < cases





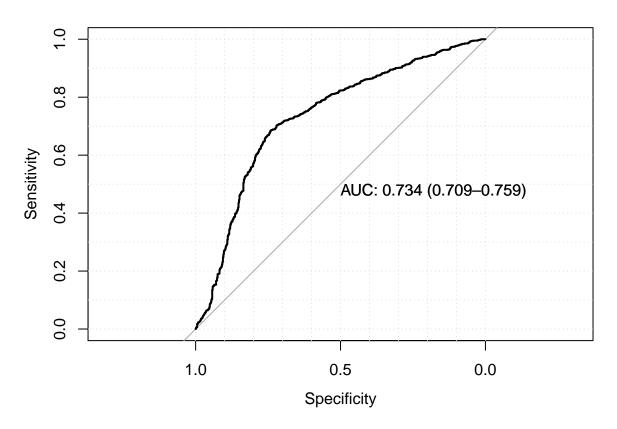


Note: When multiple decision curves are plotted, decision curves for 'All' are calculated using the

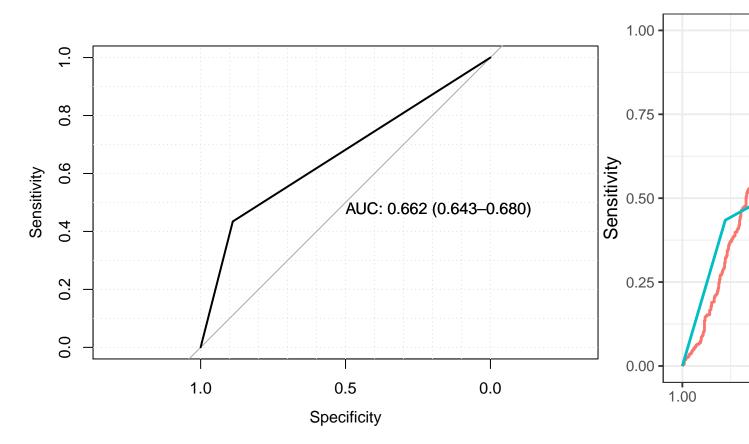


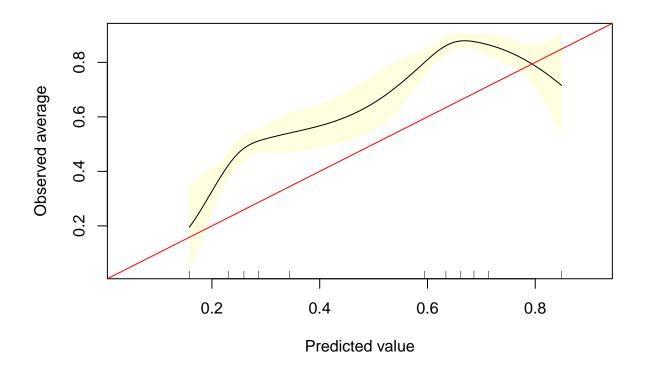
Two years - Smokers

Setting levels: control = 0, case = 1

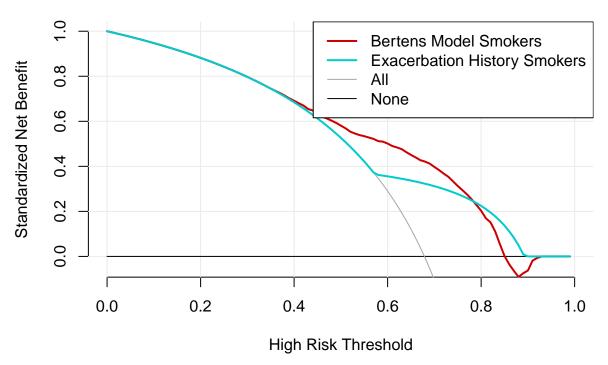


Setting levels: control = 0, case = 1
Setting direction: controls < cases</pre>



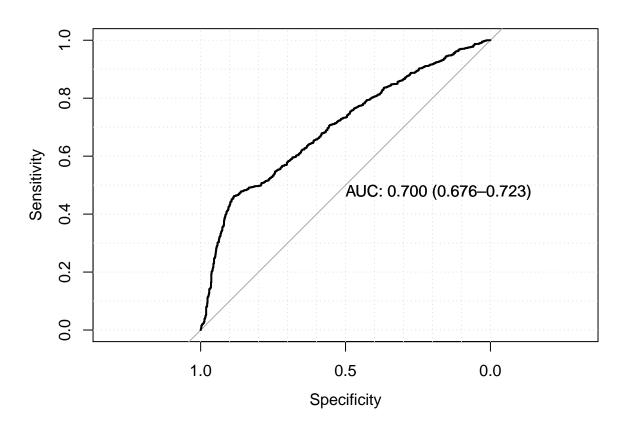


Note: When multiple decision curves are plotted, decision curves for 'All' are calculated using the

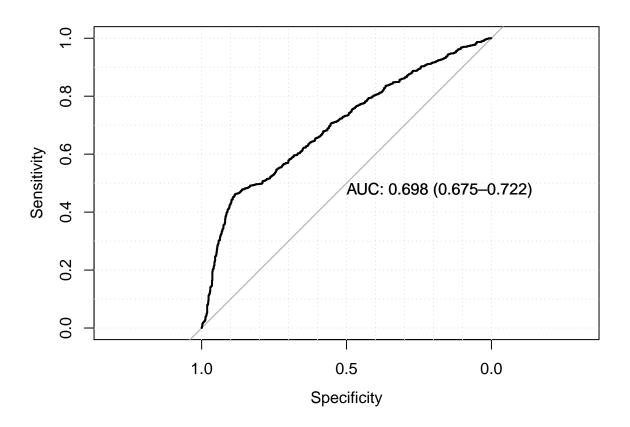


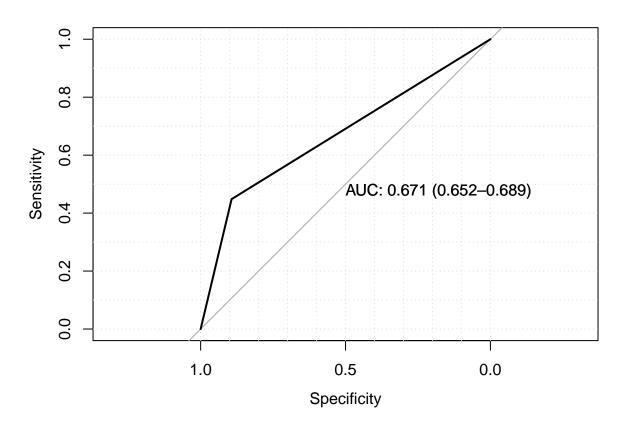
One year predicitons

Setting levels: control = 0, case = 1

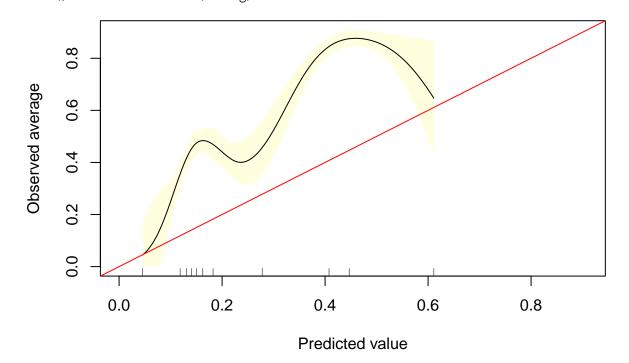


```
##
## Call:
## co.default(response = eclipseComplete$Observed_Exac_in2, predictor = eclipseComplete$predictedBerter
##
## Data: eclipseComplete$predictedBertens1Yr in 843 controls (eclipseComplete$Observed_Exac_in2 0) < 10
## Area under the curve: 0.6999
## 95% CI: 0.6763-0.7234 (DeLong)
## Setting levels: control = 0, case = 1</pre>
```

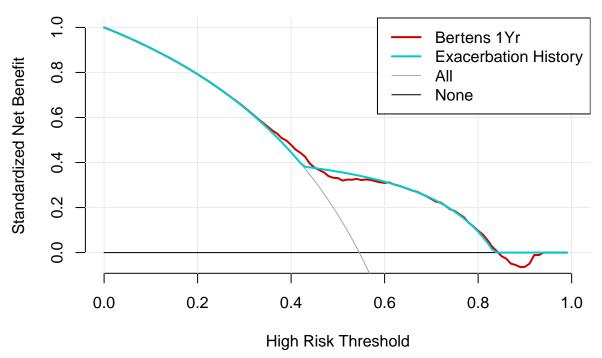




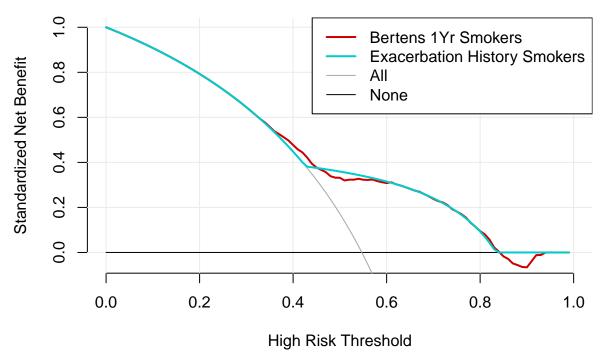
##
Call:
roc.default(response = eclipseComplete\$Observed_Exac_in2, predictor = eclipseComplete\$year1FreqExace:
##
Data: eclipseComplete\$year1FreqExacerbator in 843 controls (eclipseComplete\$Observed_Exac_in2 0) < 10
Area under the curve: 0.6707
95% CI: 0.6522-0.6892 (DeLong)</pre>



Note: When multiple decision curves are plotted, decision curves for 'All' are calculated using the

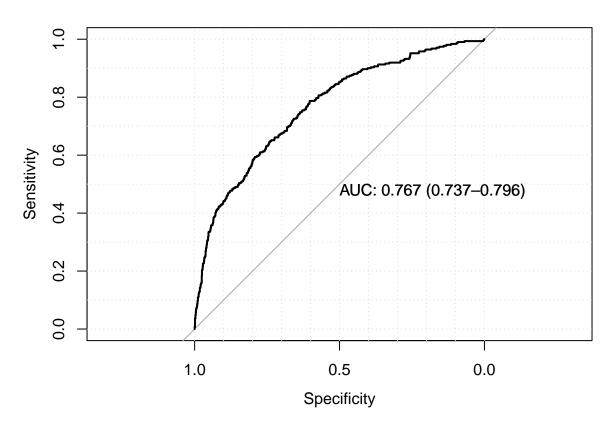


Note: When multiple decision curves are plotted, decision curves for 'All' are calculated using the

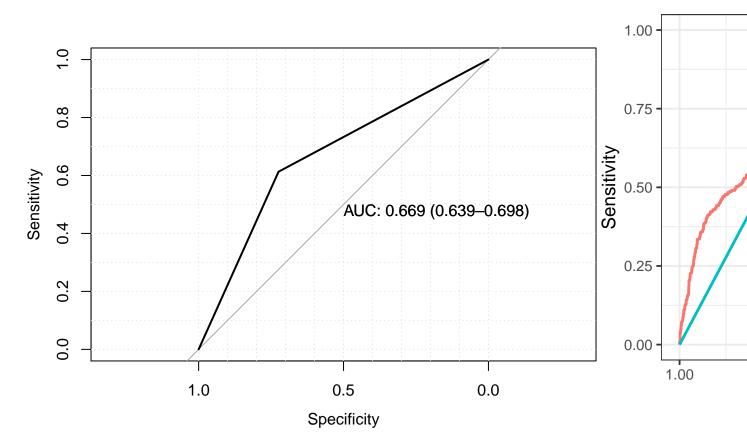


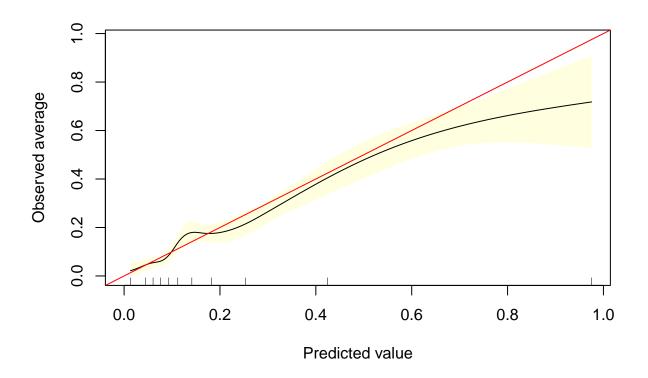
ACCEPT Severe

Setting levels: control = 0, case = 1

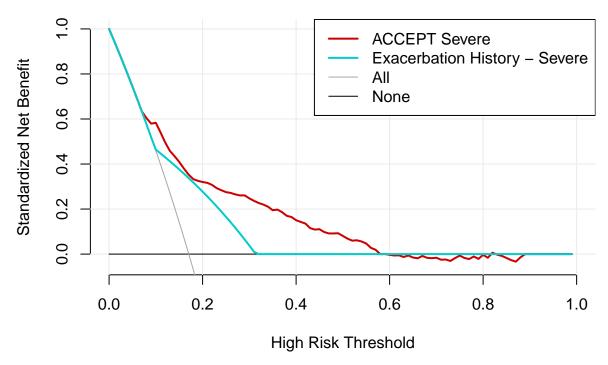


Setting levels: control = 0, case = 1
Setting direction: controls < cases</pre>

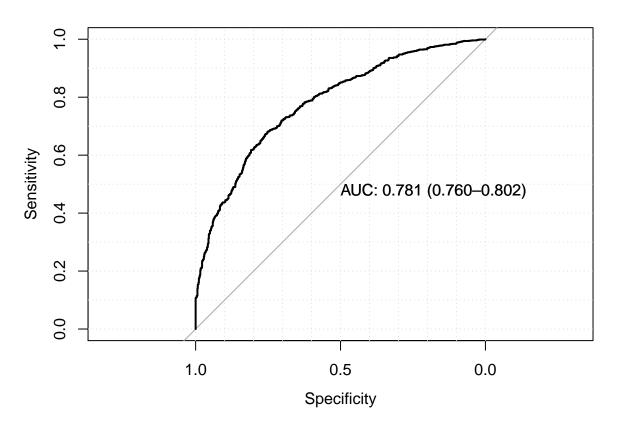




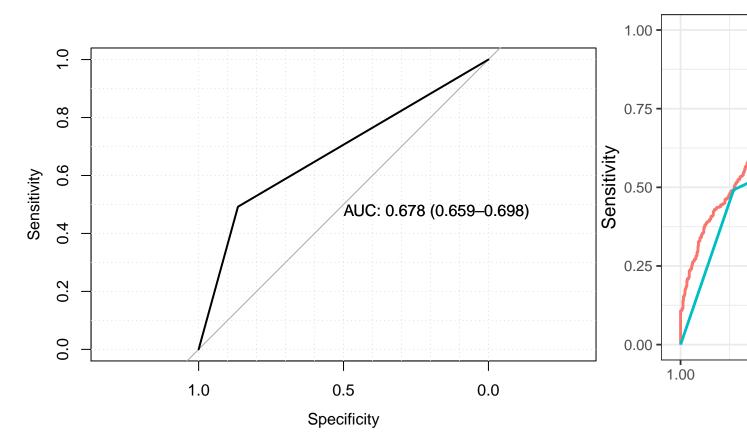
Note: When multiple decision curves are plotted, decision curves for 'All' are calculated using the

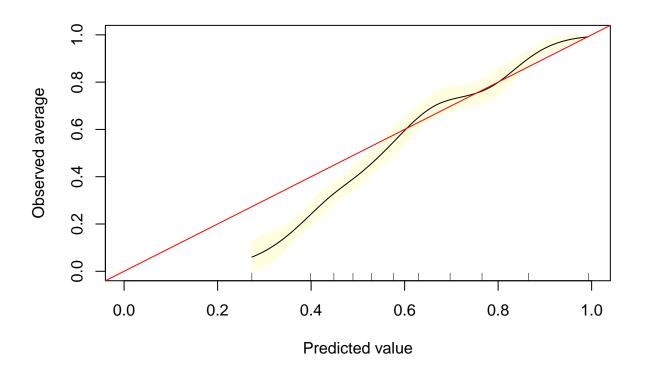


Setting levels: control = 0, case = 1

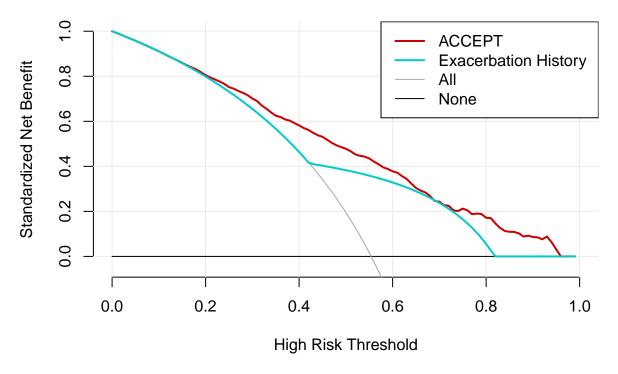


Setting levels: control = 0, case = 1
Setting direction: controls < cases</pre>





Note: When multiple decision curves are plotted, decision curves for 'All' are calculated using the



Note: When multiple decision curves are plotted, decision curves for 'All' are calculated using the

