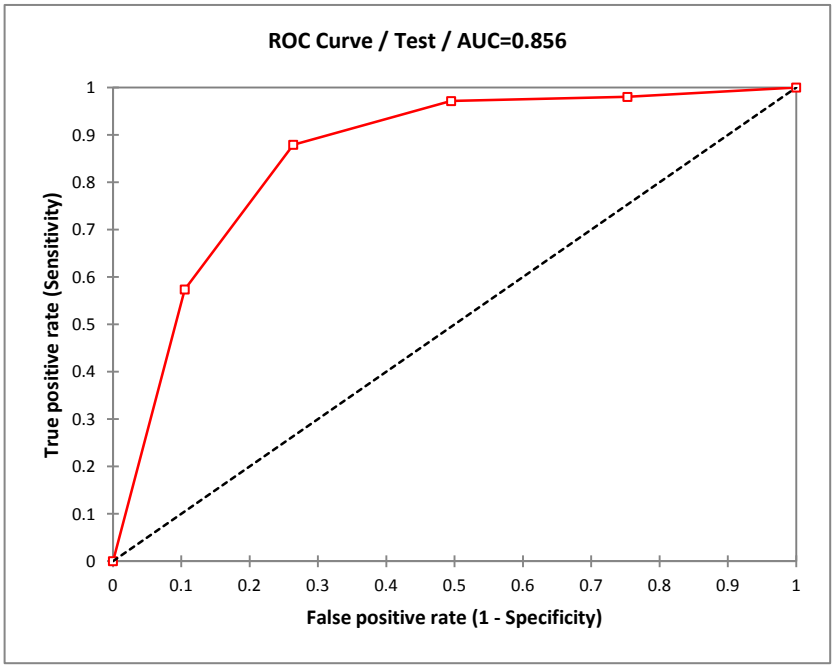
XLSTAT 2015.2.01.17315 - ROC Curves - on 5/3/2015 at 20:53:21
Event data: Workbook = ALL_NB / Sheet = ALL_NB / Range = ALL_NB!$C:$C / 2168 rows and 1 column
Test data: Workbook = ALL_NB / Sheet = ALL_NB / Range = ALL_NB!$E:$E / 2168 rows and 1 column
Size (%): 95 / Clopper-Pearson
Area under the curve (Variance): Hanley & McNeil
Costs: TP = 1 / TN = 1 / FP = 1 / FN = 1

Summary statistics (Test):

Variable	Observations	with missing	without missi	Minimum	Maximum	Mean	td. deviation
Test	2168	0	2168	1.000	5.000	3.008	1.417

Event	Frequency	%
1	**455**	**21%**
2	422	19%
3	313	14%
4	355	16%
5	623	29%
Prevalence	0.210	21%

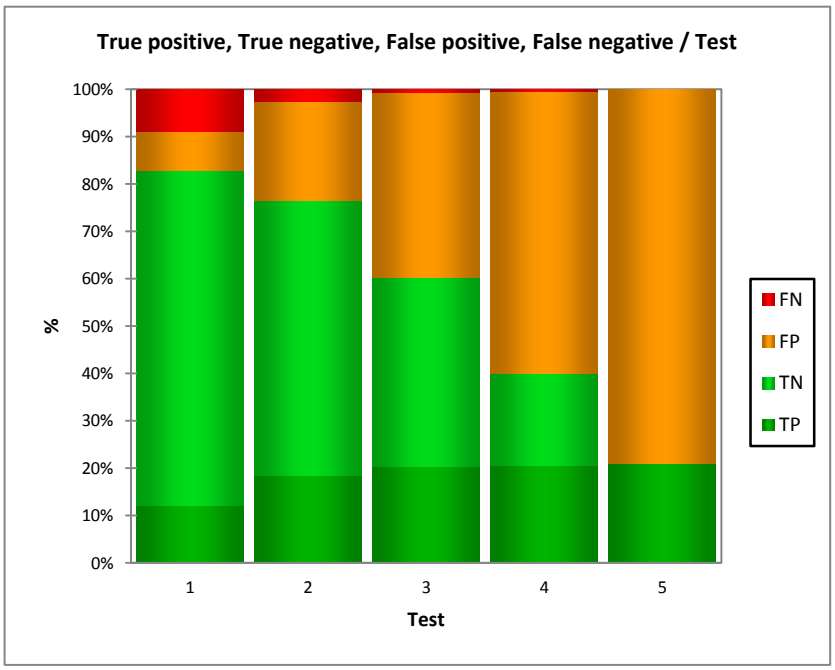


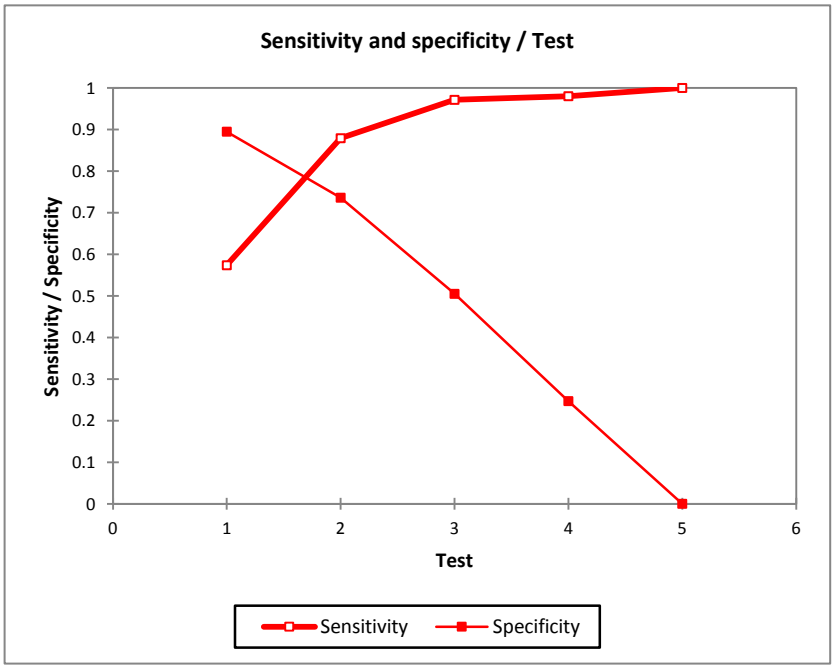
ROC analysis:

Test	Sensitivity	er bound (9	er bound (9	Specificity	er bound (9	er bound (9	Cost	PPV

1.000	0.574	0.527	0.619	0.895	0.879	0.909	2168	0.592
2.000	**0.879**	**0.845**	**0.907**	**0.736**	**0.714**	**0.757**	**2168**	**0.469**
3.000	0.971	0.950	0.984	0.505	0.481	0.529	2168	0.343
4.000	0.980	0.961	0.990	0.247	0.227	0.268	2168	0.257
5.000	1.000	0.990	1.000	0.000	0.000	0.003	2168	0.210

Test is positive if Test <= threshold value





Area under the curve (AUC):

AUC	tandard erreer bound (9er bound (95%)		
0.856	0.012	0.833	0.878

Comparison of the AUC to 0.5:

95% confidence interval on the difference between the AUC and 0.5 (Two-tailed test):
] 0.333, 0.378 [

Difference	0.356
z (Observe(	30.687
z (Critical v(	1.960
p-value (Tw	< 0.0001
alpha	0.05

Test interpretation:
H0: The AUC is equal to 0.5.
Ha: The AUC is different from 0.5.
As the computed p-value is lower than the significance level alpha=0.05, one should reject the null hypothesis H0, and accept the alternative hypothesis Ha.
The risk to reject the null hypothesis H0 while it is true is lower than 0.01%.

NPV	LR+	LR-	TP	TN	FP	FN	tivity+Spec	Accuracy

0.888	5.459	0.476	261	1533	180	194	1.469	0.827
0.958	**3.332**	**0.164**	**400**	**1261**	**452**	**55**	**1.615**	**0.766**
0.985	1.962	0.057	442	865	848	13	1.476	0.603
0.979	1.302	0.080	446	423	1290	9	1.227	0.401
	1.000		455	0	1713	0	1.000	0.210