// fit the same logistic regression model

Binary LR model-engine.

Variable	Coefficient	Odds ratio	p-Value
Intercept	4.3712	NA	0.0000
Fe	-0.2520	0.7772	0.0000
Pb	-0.4496	0.6379	0.0005
OXI	-0.1033	0.9019	0.1310
Oilhours	0.0044	1.0044	0.0000
Cu	-0.7511	0.4719	0.0008
Si	-0.8569	0.4245	0.0002
Na	-0.7030	0.4950	0.0011
prevB	-1.4813	0.2274	0.0000
prevC	-2.0613	0.1273	0.0000
prevX	-2.0148	0.1333	0.0021

Phillips et al.

Deviance Residuals:

Min 1Q Median 3Q Max -1.8974 -0.6020 -0.4018 -0.2943 2.6427

Coefficients:

	Estimate	Std. Error	z value	Pr(> z)	
(Intercept)	-3.813e+00	2.819e-01	-13.525	< 2e-16	***
CalcFluid.Hours	8.362e-05	3.635e-04	0.230	0.8181	
Fe	1.115e-01	1.664e-02	6.704	2.03e-11	***
Pb	2.611e-02	8.179e-02	0.319	0.7495	
Cu_cat	4.673e-01	2.229e-01	2.096	0.0360	*
Si_cat	3.314e-01	2.125e-01	1.559	0.1189	
Na_cat	1.574e-01	2.385e-01	0.660	0.5094	
prev_evalb	1.329e+00	2.351e-01	5.656	1.55e-08	***
prev_evalc	-3.317e-01	1.326e+00	-0.250	0.8025	
prev_evalx	3.285e+00	1.433e+00	2.293	0.0219	*
Signif. codes: 0	'***' 0.001	. '**' 0.01	·*' 0.05	5'.'0.1	''1

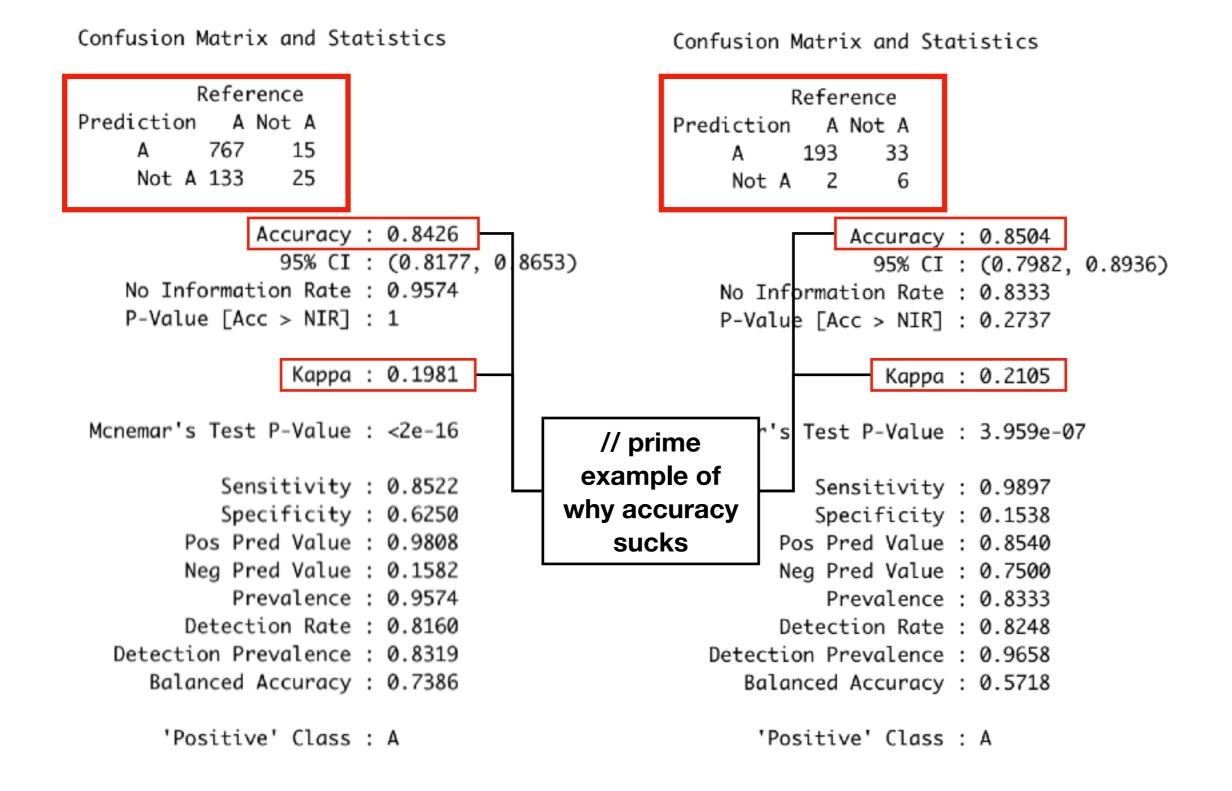
(Dispersion parameter for binomial family taken to be 1)

Null deviance: 851.33 on 939 degrees of freedom Residual deviance: 723.67 on 930 degrees of freedom

AIC: 743.67

Number of Fisher Scoring iterations: 5

Troy et no-one.



// cross-val performance

// test-set performance