

TEST LOG

Test Case	Test Case Description	Date Tested	Pass (P)	Fail (F)
Winnow.data_to_list	The function which transforms a file into a list of data based on the separating character.	09/27/15	P	
Winnow.do_analysis	Performs the entire analysis and compares the first results with known results.	09/27/15	P	
Winnow.do_gwas	Performs GWAS analysis on a small set of data and compares the performetric results with the expected values.	09/27/15	P	
Winnow.load_data	Tests that the load_data function correctly creates lists for beta and p-values.	09/27/15	P	
Winnow.load_ote	Loads the OTE KT file into a boolean list.	09/27/15	P	
Performetrics.accuracy	Compares actual and expected result for the accuracy function on a small set of data (12 values)	09/27/15	P	
Performetrics.auc	Compares actual and expected result for the area under the curve function on a small set of data (12 values)	09/27/15	P	
Performetrics.error	Compares actual and expected result for the error function	09/27/15	P	
Performetrics.fdr	Compares actual and expected result of the FDR function	09/27/15	P	
Performetrics.fn	Compares actual and expected number of false negatives	09/27/15	P	
Performetrics.fp	Compares actual and expected number of false positives	09/27/15	P	
Performetrics.fpr	Compares actual and expected false positive rate	09/27/15	P	
Performetrics.mae	Compares actual and expected result of the MAE function	09/27/15	P	
Performetrics.mattcorr	Compares actual and expected result of the Mattcorr function	09/27/15	P	
Performetrics.precision	Compares actual and expected result of the Precision function	09/27/15	P	
Performetrics.rmse	Compares actual and expected root mean squared error	09/27/15	P	
Performetrics.sens	Compares actual and expected sensitivity	09/27/15	P	
Performetrics.spec	Compares actual and expected specificity	09/27/15	P	
Performetrics.tn	Compares actual and expected number of true negatives	09/27/15	P	

Performmetrics.tp	Compares actual and expected number of true positives	09/27/15	P	
Performmetrics.tpr	Compares actual and expected true positive rate	09/27/15	P	
Performmetrics.youden	Compares actual and expected result of the Youden statistic	09/27/15	P	
Performmetrics.avgcovarweight	Tests the actual and expected means for a set of covariate data	09/29/15	P	
Adjustments.fdr_bh	Compares actual and expected results of the Benjamini Hochberg FDR p-value adjustment method	09/27/15	P	
GWAS.with_beta	Compares actual and expected performetric results using data without covariates and with beta values	09/27/15	P	
GWAS.without_beta	Compares actual and expected performetric results using data without covariates and without beta values	09/27/15	P	
GWAS.with_beta_covariate	Compares actual and expected performetric results using data with covariates and with beta values	09/29/15	P	
GWAS.without_beta_covariate	Compares actual and expected performetric results using data with covariates and without beta values	09/29/15	P	
		TOTAL (Pass/Fail)	28	0

Test Coverage

Winnnow/winnnow.py

- 84.44% coverage
- 76 covered lines, 90 relevant lines

Winnnow/data.py

- 87.88% coverage
- 29 covered lines, 33 relevant lines

Winnnow/checkhidden.py

- 89.47% coverage
- 17 covered lines, 19 relevant lines

Winnnow/performmetrics.py

- 96.32% coverage
- 131 covered lines, 136 relevant lines

Winnnow/fileimport.py

- 100% coverage
- 13 lines

Winnnow/gwas.py

- 100% coverage
- 9 lines

Winnnow/adjustments.py

- 100% coverage
- 15 lines

