

Bernoulli Excel Template Support Document

The following document has been created to provide a brief overview of the Bernoulli Excel Template which has been designed to help organize the data from your output files. This is intended to be supplemental document to the HNM Workbook.

In the first table labeled “Outcome” type the name of your outcome variable into the gray cell.

Outcome:	Primary Writing Assessment
Value 1 =	Meet Provincial Expectations
Value 0 =	Does Not Meet Provincial Expectations

Also enter descriptions for the binary values of this outcome variable.

Similarly, in the second table labeled “Predictor” enter the name of the predictor variable you are using as well as the binary values.

Predictor:	MALE
Value 1 =	Male
Value 0 =	Female

Using information from the “Final estimation of fixed effects: (Unit-specific model)” tables in your output file, complete the rest of the grey cells in the Predictor table:

Final estimation of fixed effects: (Unit-specific model)						
Fixed Effect		Coefficient	Standard Error	T-ratio	Approx. d.f.	P-value
For	INTRCPT1, B0					
	INTRCPT2, G00	1.103070	0.129626	8.510	90	0.000
For	MALE slope, B1					
	INTRCPT2, G10	-0.790825	0.097556	-8.106	2408	0.000
Fixed Effect		Coefficient	Odds Ratio	Confidence Interval		
For	INTRCPT1, B0					
	INTRCPT2, G00	1.103070	3.013404	(2.330,3.897)		
For	MALE slope, B1					
	INTRCPT2, G10	-0.790825	0.453470	(0.375,0.549)		
The outcome variable is		w0				

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The outcome variable is v0

	P-value	0	
	T-Ratio	-8.106	
	Odds Ratio	0.45347	0.45347:1
Coefficient for Intrcpt1,B0		1.10307	
Coefficient for MALE slope, B1		-0.790825	
Probability Male MALE:		57.75%	
Probability Female MALE:		75.10%	

As you complete the table the probabilities are automatically calculated.

		P-value	0	
		T-Ratio	-8.106	
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Copy and paste the template to explore other predictor models.

A template is also available for two predictor models.

If you have any questions or feedback please contact Chris Conley at Conley_Chris@Durham.edu.on.ca