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January 10, 2014

ERRATA and COMMENTS for Methods of Statistical Model Estimation

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Available at: https://works.bepress.com/joseph_hilbe/38/

Methods of Statistical Model Estimation

Chapman & Hall/CRC (May 28, 2013)

by

Joseph M Hilbe and Andrew P Robinson

ERRATA and COMMENTS (10 Jan, 2014)

Thus far there is only one errata to report. We invite our readers to send us any errata that you may discover, no matter how trivial. Our contact numbers are:

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ERRATA:

pages 171-173. The *test3a.g* object is created using *ml_glm2* on both page 171-172 and again on pages 172-173. The calls are identical, but the second version has fewer decimals. Drop the initial version on page 171-172.

COMMENTS:

We did not address this, but here is code to change the reference level for a categorical variable. The default is the first level. For an example we'll change the reference level in a three level categorical predictor called *class* from the first level to the third. The response is *y*, and data set name is *myfile*.

```
> x <- glm(y ~ factor(class), family=poisson, data=myfile)
> class03 <- factor(myfile$class, levels=c("3", "1", "2")
> x1 <- glm(y ~ class03, family=poisson, data=myfile)
```

The reference level is now "3" for *class*. Other ways of changing the reference level are displayed below, using the *transform* and *relevel* functions

```
> myfile <- transform(myfile, class03 = relevel(class, ref= "3"))
or
> myfile$class03 <- relevel(myfile$class, ref= "3")
```

Additional data files, functions and scripts will be able to be downloaded from the *Methods of Statistical Models Estimation* section of -- *http://works.bepress.com/joseph_hilbe/*

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Readers may be interested in these other books:

Hilbe (2009), *Logistic Regression Models*, Chapman & Hall/CRC
http://www.crcpress.com/product/isbn/9781420075755

Hilbe (2011), *Negative Binomial Regression*, 2nd ed Cambridge University Press
www.cambridge.org/9780521198158

Hardin and Hilbe (2012), *Generalized Linear Models and Extensions, 3rd edition*, Stata Press/C&H-CRC *http://www.crcpress.com/product/isbn/9781597181051*

Jones, Maillardet, and Robinson (2009), *Introduction to Scientific Programming and Simulation Using R*, Chapman & Hall/CRC *http://www.crcpress.com/product/isbn/9781420068726*
NOTE: The second edition will be published shortly

Robinson and Hamann (2011), *Forest Analytics with R*, Spinger
http://www.springer.com/statistics/life+sciences,+medicine+%26+health/book/978-1-4419-7761-8

ACKNOWLEDGEMENTS
Thanks to Prof Gavin Simpson, University of Regina for catching the duplication on pages 171-173, and for suggesting the use of the *transform* and *relevel* functions for changing reference levels for categorical variable.