Errata ASA Predictive Analytics (PA) Modules

As of April 9, 2019

On April 9 both the content and associated RMD files for Modules 1-7 were updated.

For the RMD files, in all cases the command to output to HTML was deleted. At the Prometric centers the ability to write to an HTML (or other format) file is disabled, so this makes these files consistent with how they will be formatted at your exam. Note that if you create a new RMD file during your exam there may be a default output to HTML. This can create an error message (which can be ignored). It is best to delete all such references from any new files.

RMD files have also been cleaned up to correct minor typographical errors and at times provide additional explanation.

For the module content itself, aside from correcting some minor formatting issues, the major changes are described below.

ASA Predictive Analytics Module 1

Page 3 – A note that at your exam the only acceptable files for upload are Word (.docx), Excel (both .xlsx and .csv) and RStudio (.Rmd).

Page 21 – A note about the HTML issue discussed above.

ASA Predictive Analytics Module 3

Page 5 – A note that the textbook *Data Visualization: A Practical Introduction* has now been published and it is possible the author will remove the free web access at some time.

ASA Predictive Analytics Module 4

Page 74 - Reference to skewness and kurtosis has been deleted. Note that this refers to the statistical measures, not the concepts.

ASA Predictive Analytics Module 6

Page 60 – The material on exposure has been re-written to provide more clarity.

Page 125 – This is a new page that discusses how using AIC for variable selection relates to reducing variance.

Page 137 – This is a new page that discusses ending the analysis by refitting the selected model on the entire dataset. Note that this is viewed as an optional modeling step.

Pages 151-152 – This replaces the previous discussion of the sample project.

ASA Predictive Analytics Module 7

Page 80 – A correction has been made to replace "oversampling" with "undersampling."

Page 113 – There is a clarification regarding interpreting the decision tree.

ASA Predictive Analytics Module 8

Page 13 – Two new chunks (7A and 7B) have been added to the RMD file to provide additional insights on PCA calculations.