

**Boston Area SAS® Users Group (BASUG) Announcement  
On-Line Webinar Meeting  
Co-hosted by BASUG and SAS Institute Inc.**

**Wednesday, July 22, 2020  
Noon – 1:00 PM**

BASUG is thrilled to announce the next webinar of our 2020 webinar series, featuring statistician-extraordinaire Deanna Schreiber-Gregory. This webinar is **FREE** to attend (thanks to SAS!). A browser and a willingness to learn are all that are required to join us.

	<b>Agenda</b>
<b>11:45+ AM</b>	<b>Join the Webinar</b> (the link is below)
<b>12:00 PM</b>	<b>Welcome</b>
<b>12:05 PM</b>	<b>Regulation Techniques for Multicollinearity: Lasso, Ridge, and Elastic Nets</b> by Deanna Schreiber-Gregory, Henry M Jackson Foundation
<b>12:55 PM</b>	<b>Closing</b>

This is a **FREE** event!

[Click here to access the Webinar](#)

The link above is your gateway to participate in this webinar. Click it now (or at any time before 11:45 AM on the day of the meeting) to register for the meeting.

On the day of the meeting the same link will take you to the webinar. Please join a few minutes early to allow time to connect and familiarize yourself with the Webex platform. The webinar will begin promptly at 12:00.

The webinar software works best with either the **Chrome** or **Edge** browser. Internet Explorer has been used but isn't recommended.

Questions? Contact our meeting coordinators, Rita Volya and Quentin McMullen at [Event Organizers](#).

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## Abstract and Speaker Biography

### Regulation Techniques for Multicollinearity: Lasso, Ridge, and Elastic Nets

*by Deanna Schreiber-Gregory, Henry M Jackson Foundation*

Multicollinearity can be briefly described as the phenomenon in which two or more identified predictor variables are linearly related, or codependent. The presence of this phenomenon can have a negative impact on an analysis as a whole and can severely limit the conclusions of a research study. In this paper, we will briefly review how to detect multicollinearity, and once it is detected, which regularization techniques would be the most appropriate to combat it. The nuances and assumptions of R1 (Lasso), R2 (Ridge Regression), and Elastic Nets will be covered in order to provide adequate background for appropriate analytic implementation. This paper is intended for any level of SAS® user. This paper is also written to an audience with a background in theoretical and applied statistics, though the information within will be presented in such a way that any level of statistics/mathematical knowledge will be able to understand the content.



**Deanna Schreiber-Gregory** is a Lead Research Statistician and Data Manager on contract through the Henry M Jackson Foundation for the Advancement of Military Medicine to the Department of Defense in Bethesda, MD. She is also an Independent Consultant for Statistics, Research Methods, and Data Management in the private sector through Juxdapoze, LLC. Deanna has an MS in Health and Life Science Analytics, a BS in Statistics, and a BS in Psychology. Deanna has presented as a contributed and invited speaker at over 50 local, regional, national, and global SAS user group conferences since 2011.

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### BASUG Contacts

Mailing Address:

BASUG  
PO Box 170253  
Boston, MA 02117

Email the [BASUG Webmaster](#)

Website: [www.BASUG.org](http://www.BASUG.org)

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