



**THE UNIVERSITY OF GEORGIA
DEPARTMENT OF STATISTICS**

Colloquium Series

Dr. Christopher Breen

Eli Lilly & Company

Thursday, November 10, 2016

3:30pm in room 306, Statistics Building

Extreme Quantile Determination for Manufacturing Process Parameters

Monitoring the control and capability of process parameters is a continual and mammoth task for today's manufacturers. The importance of simple, efficient, and automated approaches cannot be overstated. Paramount in this endeavor is the determination of extreme quantiles. I will review approaches for determining these quantile from the last 25 years of literature, as well as current usage at Eli Lilly and Company. A number of candidate approaches will be carried forward into a simulation to look at their performance against a variety of distributions.

Making Things: Manufacturing Statistics in the 21st Century

Lunch Discussion

12:00pm Cohen Room, Statistics Building

The Statistics profession has changed greatly in the 26 years since I graduated. I'll briefly discuss some of the similarities and differences, as well as the surprising outlook for today's graduates. I will discuss what graduates can expect in the manufacturing arena, with an emphasis on valuable course work, job roles, and future opportunities.

There should be plenty of time for questions.

For more information, please contact us at:

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