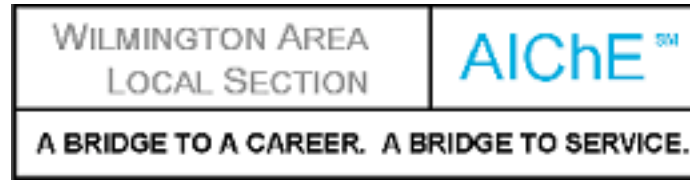


The AIChE – Wilmington Chapter is proud to present its March meeting. See below for an abstract of the talk. We look forward to seeing you at our next meeting.



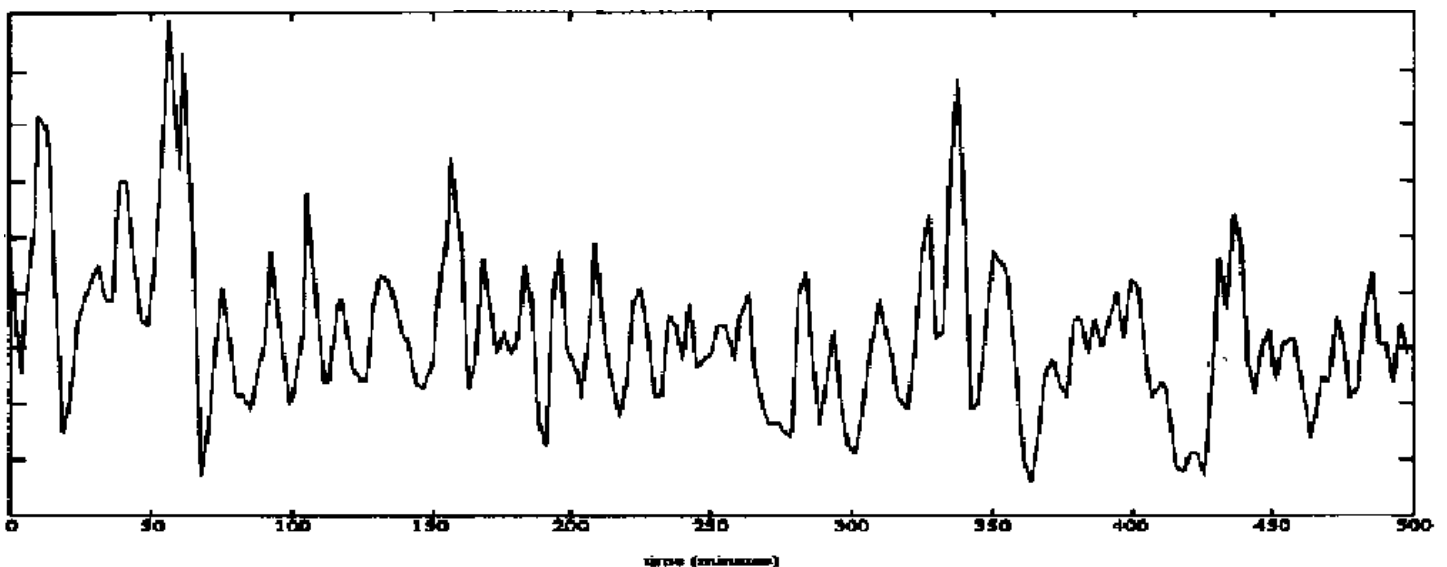
How Much Statistics Do You Need to Know? - Industrial Applications of Statistics

Dennis C Williams PhD

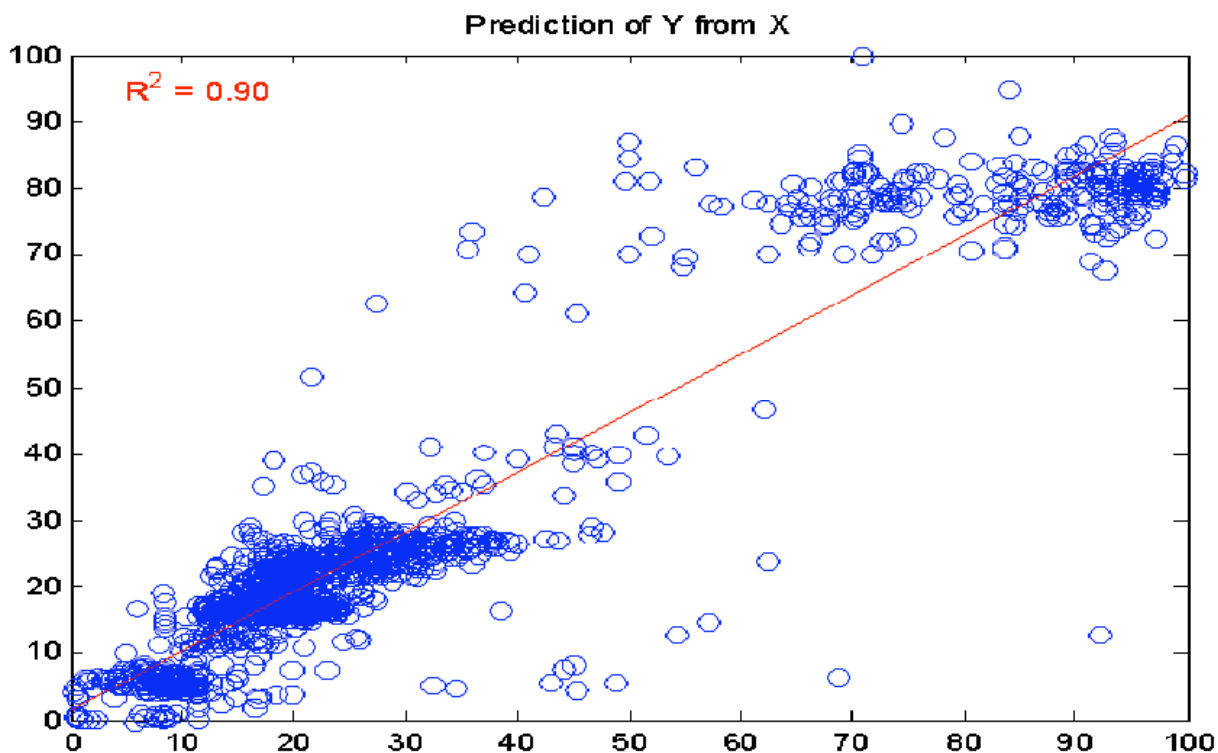
Advanced Process Control, Basell USA, a LyondellBasell Industries company

Abstract:

Random phenomena are commonly encountered in the chemical industry, so statistics is required in many applications. Basic statistical methods are often sufficient, but the problems are frequently ill-posed and data may be limited, missing, uncertain, or wrong. Several examples from practice, including process capability, controller performance monitoring, statistical process control rules of run analysis, OSHA recordable analysis, minimum cost instrument calibration procedures, regression, and control relevant modeling, will be presented that illustrate typical issues encountered in industrial statistical problems. In addition to the answer to the title question, the first step in every application of statistics will be revealed.



"That controller you installed has gone to pot. You need to re-tune it immediately." Had I goofed or was I the victim of a blamestorming session?



Measuring Y is expensive, but measuring X is practically free. With R^2 of 90% we'll predict Y from X and save six figures annually. Won't we?

Date: 30 March 2010 (Tuesday); Registration Deadline: 26 March 2010 (Friday)

Time: Registration: **5.30PM**; Dinner: **6PM**; Presentation: **7PM**.

Cost: **\$35 – Non members and guests.**

\$30 – AIChE Members.

\$20 – Students and those between employment.

Location: Holiday Inn Select-Wilmington

630 Naamans Road, Claymont, DE 19703 302-792-2700

To register: Prepay at Wilmington section website through Paypal:

<http://www.erpt.org/wilmsect/index.html>

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