

## October 12, 2011 Seminar in Collaboration with the Silicon Valley ASQ

<http://www.asq-silicon-valley.org/>

The ASQ has a monthly statistics seminar. The Bay Area Chapter and the ASQ are cosponsoring a short course in January 2012 (registration below).

We invite our members to attend the monthly ASQ Q&A on Statistical Process Control. The ASQ meets monthly at Applied Materials offices in Santa Clara

Applied Materials Bowers Cafe (aka Campus Cafe)      3090 Bowers Ave. Santa Clara, CA.  
95054

Friends,??Please forward this invitation to your friends and colleagues,?and RSVP to me ([johnflaig@yahoo.com](mailto:johnflaig@yahoo.com)) if you plan to attend.??

The Statistics & Reliability Discussion Group cordially invites you to?attend an outstanding FREE presentation:??

Topic:      SPC and Sampling Panel Discussion (Bring your questions)?Baseball Batting Averages?

Speakers:   Mr. Lester Wollman, Mr Ed Russell, and Dr. John Flaig??Chair and Moderator: Dr. John Flaig?Assistant Chair: Dr. Don Mintz?

Sponsor:    Mr. Ravi Chandra from Applied Materials??

6:00 to 6:30 pm Introductions and Networking

6:30 to 7:30 pm Presentation

7:30 to 8:00 pm Question and Answer Session

The ASQ has a monthly statistics seminar.The Bay Area Chapter and the ASQ are cosponsoring a short course in January 2012 (registration below).

We invite our members to attend the monthly ASQ Q&A on Statistical Process Control. The ASQ meets monthly at Applied Materials offices in Santa Clara

Suggested Questions:??

1. What is Statistical Process Control (SPC)??
2. How can I tell which variables to track??

3. How do I know if I picked the right variables??
4. What do I do if my variables are correlated??
5. How does autocorrelation affect my SPC control procedure??
6. Do I need a gage capability study for each SPC variable??
7. Does it make much difference if the variables are discrete or continuous??
8. What does "in-control" mean??
9. What is the difference between static control and dynamic??
10. Is it possible for a process to be in-control and produce defects??
11. When should you look for causes of unusual process behavior??
12. Is a control chart the same as a hypothesis test??
13. What does "out-of-control" mean??
14. If the process is out-of-control should you fix it??
15. Is an Assignable Cause the same as a Special Cause??
16. What is the probability that a point will fall outside 3 sigma limits??
17. If a point is inside the control limits can it have a special cause??
18. If a pattern does not violate any of the Test Rules can it still be the result of a special cause??
19. How many possible ways can a process show instability??
20. On a multivariate chart how can you tell which x caused the signal??
21. Is the mean chart more "sensitive" than the x chart??
22. Is the individuals chart invalid if the data is non-normal??
23. Is the reason control chart work because of the Central Limit Theorem??
24. How were Shewhart control limits derived??
25. Do Shewhart control charts assume that the data is normally distributed??
26. If the data is not normal should you transform it before putting it on a control chart??
27. Are Shewhart control limits based on statistical or economic considerations??
28. If a process is stable for some time and then shifts to a new level and is stable there, is this a common cause variation??
29. Does everybody use 3 sigma limits??
30. Are there charts to address multivariate SPC??
31. Can you do SPC on reliability data e.g., returns per calendar interval??
32. Is sampling inspection obsolete??
33. Which is more sensitive attribute or continuous variables sampling??
34. What are Continuous Sample Plans (CSP 1) and how do they work??
35. What are single, double, and multiple sample plans??
36. What is the AQL, AOQ, AOQL, RQL or LTPD, ATI or ASN, ARL?
37. Is random sampling always best??
38. What is the break even point for sampling??
39. Or whatever interests you.??

Please try to RSVP to [johnflaig@yahoo.com](mailto:johnflaig@yahoo.com) at least two days prior to the meeting if you plan to attend.??

[Directions to the Oct 12 ASQ Statistics Seminar in Santa Clara](#)

Applied Materials  
Bowers Cafe (aka Campus Cafe)  
3090 Bowers Ave.  
Santa Clara, CA. 95054 (see map link below)

[http://maps.yahoo.com/maps\\_result?](http://maps.yahoo.com/maps_result?)

\*\* From 101 (Going South from Palo Alto):

\* Take the Bowers Ave exit and turn right at the light (i.e., go west -- away from Great America).

\* Go about 1/2 mile, you will cross Scott Blvd.

\* Turn right at the second driveway after passing Scott Blvd. and park in the multistory car park in the rear. There is a bike trail sign near the driveway entrance. If you cross Central Expressway, you have gone too far.

*Return to [Bay Area ASA Homepage](#)*