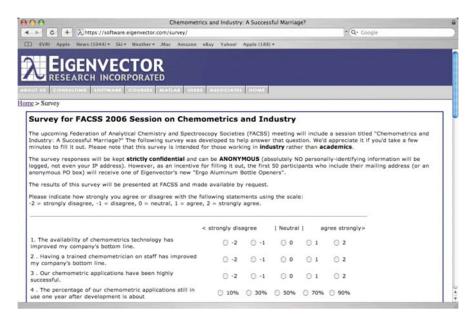
Chemometrics and Industry a Successful Marriage?

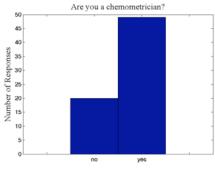
(I could tell you but then I'd have to kill you.)

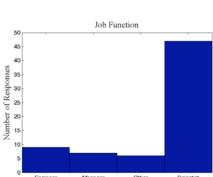
Barry M. Wise
President
Eigenvector Research, Inc.





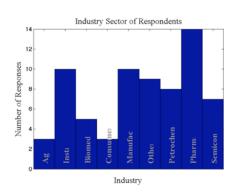






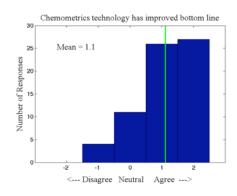
Who took the survey?

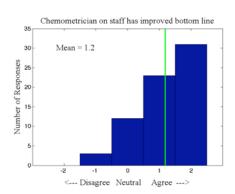
69 responses





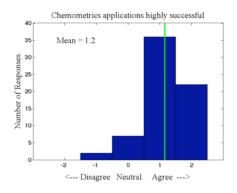
Chemometrics has positive impact on bottom line

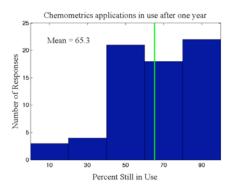






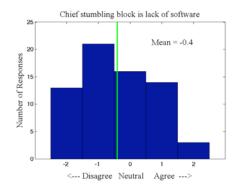
Applications successful and remain in use

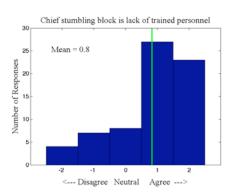






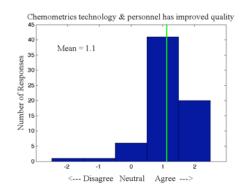
Implementation problems due to lack of people, not software

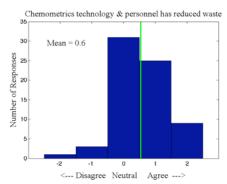






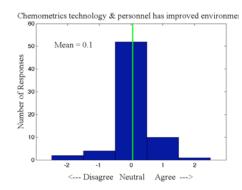
Product quality improved and some waste reduced

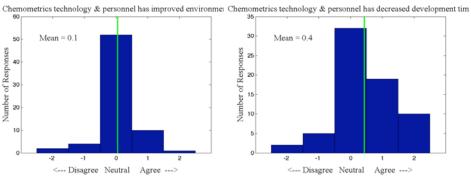




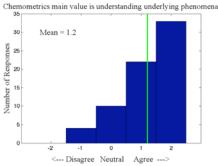


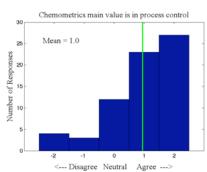
Less impact on environment and development time



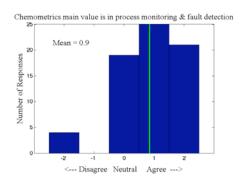




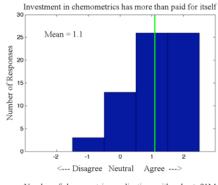


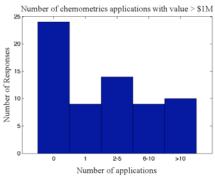


Users see value in several main usage areas

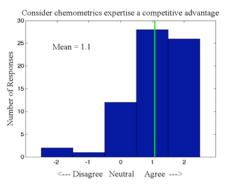






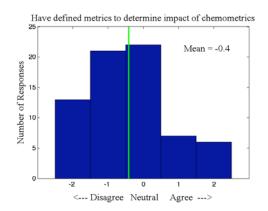


Chemometrics appears to be paying for itself...



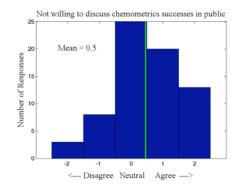


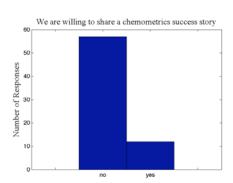
...but most haven't defined metrics to quantify impact





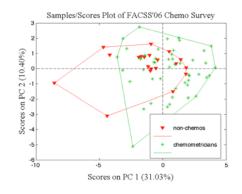
Majority are not willing to share their success stories!

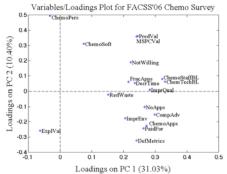






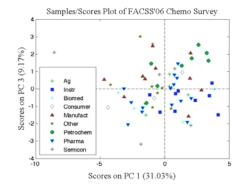
Chemometricians a little more enthusiastic than non-chemos

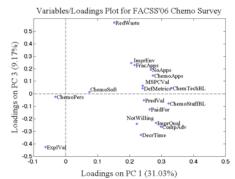






Split between petrochemical and instrument makers







Comments...

Many of the questions seemed to... [say] that importance is based on amount of money saved. In my area of work (in Research as opposed to Development or Engineering), the impact and value of chemometrics has been to enable things that weren't possible before. The impact in dollars of this is difficult to quantitate.

A Pharmaceutical Scientist



...comments...

A very vital yet scarce skill set. Universities that offer science based courses should include a chemometrics module in all undergraduate courses.

A Pharmaceutical Manager



...comments...

Questions 5 and 6 would have benefited from "more choices". The chief obstacle that I encounter is the lack of software interoperability.

A Manufacturing Engineer



...comments...

Our reasons for not being willing to share may have more to do with bureaucratic hassles than actually trying to keep things secret for competitive advantage purposes.

A Manufacturing Engineer



...last comment.

Unless we can make Chemometrics easier and cheaper to use I believe it will be relegated within the process analytics community to a very small role.

At this point I think its more of an expensive hooker than a marriage.

A Petrochemical Engineer



Conclusions

- Chemometrics is playing a crucial role in many important industrial applications
- Still some areas that need attention
 - Software interoperability
 - Cost
 - Lack of trained personnel
- Like any marriage, still some areas to work on
- Successful-I think so!

