Dear Friend of CAS:

**STAND UP AND BE COUNTED!** We statisticians are well aware of the current trend toward decreasing survey response rates that can bias a study’s results. Let’s practice what we preach and prove that statisticians value high response rates by completing this survey conducted on our very own population of professionals.

Your assistance is requested for the first CAS survey of **statisticians and collaborations**. This research will be used to **shape the committee’s new initiative** focused on **improving collaboration skills** within ASA and statisticians. Survey results will provide an overview of current strengths and weaknesses, needs and opinions related to your collaborations.

You have been selected to complete this survey. The questions are brief and primarily relate to your work experience. It should take a few minutes to complete. Your response is very important to provide an appropriate representation of statisticians. If you choose to complete the survey on the survey’s website:

Go to: [SurveyLink]

Enter this password:

**If you have any difficulty accessing the web survey, please contact the committee at** [**applied.statistician@gmail.com**](mailto:applied.statistician@gmail.com).

Your participation is voluntary and we encourage you to make this special survey a priority.

Sincerely,

Erin Tanenbaum, Mark Otto, and the rest of the Committee on Applied Statisticians

To help protect your confidentiality, the surveys will not contain information that will personally identify you. Your name will not be associated with any information you provide unless you choose to provide your name. The results of this study will be used to shape our initiative and will be shared with the ASA. Summarized data may be summarized and disseminated at an upcoming JSM.

Taking the survey indicates that you have read the above information and that you agree to participate.

Thank you very much for your cooperation.

**2016 Committee on Applied Statisticians Collaboration Assessment Survey**

Welcome to the first ever CAS survey on collaboration for statisticians. Please complete the following information about your background and current primary employment as a statistician.

For this study, a Statistician is defined as a person who is employee in academia, business, industry, government, or non-profit who has a degree (Bachelors, Masters, PhD) in statistics, biostatistics, or mathematical statistics OR has the equivalent of one year graduate course work in academic statistics (including Federal Government employees who meet the education requirements for a Mathematical Statistician),

AND

Currently uses statistical reasoning or performs statistical analyses (includes supervision of statisticians) as part of their job.

Based on the definition above, are you currently employed as a statistician?

* 1. Yes
  2. If No (or Not Sure) please specify

1. What is your highest educational degree completed?
   1. Bachelors
   2. Masters
   3. Doctorate
2. What is your gender?
   1. Male
   2. Female
3. What is the first year you were ever employed part-time or full time (excluding internships) as a statistician?
4. If your current position full-time or part-time?
   1. Full-time
   2. Part-time
5. Does your current position include managerial responsibilities? (Managerial responsibility may include budget and hiring responsibilities, conducting performance appraisals, etc. A technical team leader is not considered to have managerial responsibilities).
   1. Yes
   2. No
6. Where are you currently residing?

|  |
| --- |
| International - Africa |
| International - Asia |
| International - Europe |
| International - South America |
| Not in the US but in North America |
| International - Australia |
| US Territory |
| AL |
| AK |
| AZ |
| AR |
| CA |
| CO |
| CT |
| DE |
| FL |
| GA |
| HI |
| ID |
| IL |
| IN |
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| ND |
| OH |
| OK |
| OR |
| PA |
| RI |
| SC |
| SD |
| TN |
| TX |
| UT |
| VT |
| VA |
| WA |
| WV |
| WI |
| WY |

1. What choice best describes your current employer?
   1. Federal Government
   2. State or Local Government
   3. For-Profit Business, Organization, or Industry
   4. Non-Profit Business, Organization, or Industry
   5. Self Employed/Private Consultant
   6. Academic Institute
   7. Other (please specify)
2. The Committee has started a new **Collaboration Initiative** where we will build and disseminate a toolbox for all ASA members and statisticians. The toolbox will include hands-on trainings from the “Collaboration Best Practices” principles outlined below.
3. **Look for common ground:** find shared values, personal experiences, receive/give feedback, be willing to accept differences in perception and opinions
4. **Learn about others:** consider their perspectives and needs, appeal to the highest motives, let others express themselves freely
5. **Critique results, not people:** don’t show personal hostility, make others feel good
6. **Give and get respect:** show respect for others' opinions, be responsive to emotions, remain tactful
7. **Proceed slowly:** one idea at a time, seek consensus (understanding and acceptance of decisions) before proceeding. stay organized with agendas
8. **Be explicit and clear:** share your ideas and feelings, pay attention to nonverbal communication, speak clearly, make eye contact
9. **Remember the five "Cs" of communication:** clarity, completeness, conciseness, concreteness, and correctness

In 1-2 sentences please provide your level of enthusiasm for this endeavor.

1. Approximately what proportion of time do you spend collaborating with other statisticians?
2. Approximately what proportion of time do you spend collaborating with data scientists?
3. Approximately what proportion of time do you spend collaborating with people outside statistics/data scientists?
4. From the Collaboration Best Practices above, in the past 4 weeks, how much difficulty did you have performing each of the following collaboration interactions?

“difficult”/“not difficult,”

* 1. Looking for common ground
  2. Learning about others
  3. Critiquing results, not people
  4. Giving and getting respect
  5. Proceeding slowly
  6. Being explicit and clear
  7. Remembering the 5 C’s of communication
  8. Other (please specify)

1. Based on the list of 20 skills below, rank the top 5 skills that you feel is most crucial to successfully collaborate
   1. Communication
   2. Conflict resolution
   3. Technical expertise
   4. Negotiation skills
   5. Interpersonal skills
   6. Influencing skills
   7. Administrative skills
   8. Listening
   9. Making your voice heard/assertiveness
   10. Build and maintain trust
   11. Create learning environment
   12. Accept criticism
   13. Ask questions
   14. Join in
   15. Encourage others
   16. State feelings
   17. Take turns
   18. Take responsibility
   19. Express concern for others
   20. Embrace change
2. Rank the top 5 skills that you feel you have mastered
   1. Communication
   2. Conflict resolution
   3. Technical expertise
   4. Negotiation skills
   5. Interpersonal skills
   6. Influencing skills
   7. Administrative skills
   8. Listening
   9. Making your voice heard/assertiveness
   10. Build and maintain trust
   11. Create learning environment
   12. Accept criticism
   13. Ask questions
   14. Join in
   15. Encourage others
   16. State feelings
   17. Take turns
   18. Take responsibility
   19. Express concern for others
   20. Embrace change
3. Rank the top 5 skills that you want to learn more about
   1. Communication
   2. Conflict resolution
   3. Technical expertise
   4. Negotiation skills
   5. Interpersonal skills
   6. Influencing skills
   7. Administrative skills
   8. Listening
   9. Making your voice heard/assertiveness
   10. Build and maintain trust
   11. Create learning environment
   12. Accept criticism
   13. Ask questions
   14. Join in
   15. Encourage others
   16. State feelings
   17. Take turns
   18. Take responsibility
   19. Express concern for others
   20. Embrace change
4. What important skills are missing from the list? Explain.
5. Do you have an example of a great collaboration success story? What were the key components that made it such a success? (optional)
6. Do you have an example of a great collaboration catastrophe story? What were the key components that made it such a failure? (optional)