Report from the working group on Applications and Statistics
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General comments

1. Working groups:

- There is a need for more clear descriptions of how the papers got into the different strands. Abstracts in the program might help. A way forward to this could be to send the working group titles to prospective authors.

- The ideas of *connections*, *contextualization*, and *integration* were spread across all of the groups. This suggests that it might be a good idea to have a theme that fits these

- 45 minute talks were hard to deal with. Can you put them all together or find another way to deal with the scheduling of these?

2. Perhaps it might be a good idea to have the papers on web before the conference.

3. Could we develop notes to chairs about procedures if someone does not come, how to honor the schedule, how to keep folks on time?

4. Possible future topics
   - Sustainable change in mathematics education as a panel?
   - Allocate time in the program for collaboration – come together for work; roundtable discussion
   - General panel about math education in a variety of countries and how these different countries focus on some particular issues

5. Have people send in short research interests and include these in the materials so that others can look for like interests. (Maybe just a checklist on the current form)

6. Otherwise, it was really nice to have the open-ended opportunity to send in a paper – not targeted at a particular topic. Keeps a lot of freedom and gets different people here

Our working group
   - It dealt with a wide diversity of topics - the range was incredible. No one stayed for every session so there was really no common group.
   - Resources emerged as a common theme - data resources like the WHO, categorization schemes like the AS, aS etc. , bibliography for writing in math, ….
   - Interesting applications such as architecture, probability that ended up in the triangular numbers, interface with technology

Based on a framework from one of the papers at the conference, we developed and used the following categorizations to characterize presentations in our working group:

- A applications (uppercase "A" indicates paper had a strong applications based; lower case "a" indicates less focus on applications)
- S, s: (S → strong statistics focus, s → weaker statistics focus)
- T → strong technology focus
- O → other category

Day 1 Session 1: • Bailey: Sa: teaching stats through the application • Cougeon AS – using stats in the business world • Potter Ts • Berlin A Session 2 • Burrill: S • Burry: A • Franks etal: A • Beznik: as	Sunday • Moss: A • Butler: Ta Session 2 • Paditz: Ts • Ives: P • Izumi: S • Levi, etc.: O
Tuesday • Miller: Os • Sasser: O • Vinogradova: S Session 2 • Wirth: O • Baptist: A Session 3 • Zachery & Biggers: O • Burrill: T	