

MISSION STATEMENT: STATISTICAL CONSULTING CENTER, 2/7/11

The mission of the Statistical Consulting Center (SCC) is five-fold:

- (1) provide high quality, effective statistical support for Wright State University faculty, staff, and graduate students,
- (2) effectively and efficiently train statistics graduate students in the art and science of real-world statistical consulting,
- (3) generate statistics research problems that can lead to grant funding opportunities, research publications, and/or presentations at professional meetings by the statistics faculty,
- (4) offer high quality and practically useful statistics education opportunities to University personnel and the surrounding community, including community service activities, and
- (5) offer high quality, effective statistical support to individuals and organizations not affiliated with Wright State University (external clients).

Because the highest quality scientific research depends on the proper design of experiments/surveys, the correct analysis and interpretation of the data, and the accurate formulation of conclusions from the data, the SCC is committed to providing statistical support to researchers in such a way that these goals are achieved.

Because the transition of statistics graduate students from formal course work to the application of the science of statistics to real-world problems is crucial and highly valued by industry and government, the SCC is committed to offering a course, required of all statistics graduate students, which accomplishes this transition effectively and efficiently. The practicum part of this course affords the student opportunities to work with clients in helping to solve real-world problems.

The SCC strives to document those projects for which the best or most accurate statistical methodology is not currently available and, as a service to the statistics faculty, make these "potential research problems" available for their perusal and use.

The SCC is committed to providing quality statistical consulting services to the Dayton community and beyond. In this way, the ties between Wright State University and the community are strengthened.

In response to the demand for general statistics education, the SCC endeavors to provide quality educational opportunities in the form of seminars, shortcourses, and customized lectures. In addition, the SCC is committed to engaging in community service activities, especially those involving young people.

In summary, the SCC is unconditionally committed to the principles espoused at the first World Statistics Day, October 20, 2010 ("20.10.2010"): *service, professionalism, integrity.*