StaƟsƟcal ConsulƟng Group Staff

♦ Faculty Director: Dr. Olga Korosteleva, Professor of Statistics, Department of Mathematics and Statistics, CSULB

Dr. Olga received her Ph.D. in Statistics from Purdue University in May 2002, and since then has been a faculty member at CSULB, teaching in the Master’s program in Applied Statistics. She authored or co-authored a number of papers and three textbooks: on clinical trials, survival and longitudinal data analyses; statistical estimation; and nonparametric statistical techniques. Dr. Olga became the Faculty Director of the Statistical Consulting Group in June of 2015.

♦ Student Consultants: Graduate students who are taking STAT 544 Statistical Consulting course in Spring, 2018

Statistical Consulting Group (SCG) Contact Information

♦ Location: California State University, Long Beach campus, building FO5, rooms 131 (meeting room) and 132 (office)

♦ Phone/Fax: (562)985-8526

♦ Email: statconsulting@csulb.edu

♦ Website: http://csulb.edu/depts/math/scg

♦ For operating hours, monthly reports, announcements of events and workshops, please go to the SCG website

♦ Postal Address:
  Dr. Olga Korosteleva, Faculty Director
  Statistical Consulting Group
  Department of Mathematics and Statistics
  California State University, Long Beach
  1250 Bellflower Blvd.
  Long Beach, CA 90840 -1001

The best thing about being a statistician is that you get to play in everyone’s backyard.

~John Tukey (1915-2000), a famous statistician, who also coined the words “software”
Consulting Services

The Statistical Consulting Group (SCG) provides statistical help to CSULB faculty, staff, and students, and external investigators unaffiliated with the university. We provide support with study design, data collection and cleaning, data analysis, use of technical software, and interpretation and presentation of results.

Types of Consulting

SCG offers several types of consulting:

- Fee-based services (see the adjacent panel for rates). The first hour of consulting is always free of charge.
- Walk-in consulting: Many issues may be resolved without an appointment by visiting SCG staff at the SCG office. Researchers are welcome to call or drop by during our operating hours.
- Email consulting: Many issues may be resolved without an appointment by emailing SCG staff. We aim to respond to email questions within one working day.
- Consulting appointments: Private consulting appointments with the SCG staff may be used to address study design, analysis, and interpretation issues arising in a research project. Request an appointment via email. Appointments can be held in the SCG meeting room, or remotely by phone or Skype.
- Consulting sponsored by grant or contract: SCG staff can carry out statistical analyses and provide written reports of results and conclusions under a grant or fee-based contract.

Consulting services free of charge

- SCG staff can provide statistical support on grant proposals, including suggesting study design, conducting power analysis, and writing technical section on proposed statistical methodology, with the stipulation of guaranteed paid consultancy under the grant, if awarded.
- SCG staff can provide statistical support for manuscripts, and help with responding to reviewers’ comments, under the condition of co-authorship, if applicable.

Consulting Service Rates

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
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<tbody>
<tr>
<td>One hour of consulting for anyone</td>
<td>Free</td>
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<tr>
<td>Walk-in consulting, email consulting, consulting by appointment</td>
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<tr>
<td>Undergraduate students</td>
<td>$25/hour</td>
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<tr>
<td>Honors theses, course projects, faculty-directed research</td>
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<tr>
<td>Graduate students</td>
<td>$25/hour</td>
</tr>
<tr>
<td>Master’s theses, Master’s projects, Ph.D. dissertations, course projects, faculty-directed research</td>
<td></td>
</tr>
<tr>
<td>Faculty &amp; staff without external support</td>
<td>$25/hour</td>
</tr>
<tr>
<td>Consulting projects beyond one hour: reviewing statistical analyses in manuscript drafts, providing strategies for responding to reviewers comments</td>
<td></td>
</tr>
<tr>
<td>Grant proposal writing</td>
<td>$0/hour</td>
</tr>
<tr>
<td>Manuscript writing</td>
<td>$0/hour*</td>
</tr>
<tr>
<td>Faculty &amp; staff with external support</td>
<td>negotiable</td>
</tr>
<tr>
<td>Statistical support for work under grant awards</td>
<td></td>
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<tr>
<td>CSULB centers with external support</td>
<td>negotiable</td>
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<tr>
<td>Statistical support for work under grant awards or fee-based contracts</td>
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</tr>
<tr>
<td>External businesses &amp; institutions</td>
<td>$120/hour</td>
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* With assumed involvement of SCG staff as statistical consultants under grant support, if awarded.

* With assumed co-authorship rights for SCG staff.

Clients’ Rights

- Be treated in a professional, courteous, and caring manner by SCG staff
- Receive prompt individualized service, have uninterrupted attention of SCG consultant during consulting sessions
- Expect study confidentiality be protected, be offered an option of signing a non-disclosure agreement with SCG staff
- For fee-based consulting, be provided with an accurate price estimate prior to receiving SCG service, and signing a contract agreement with SCG staff

Clients’ Responsibilities

- Keep your scheduled appointment time, if applicable
- Come prepared to consulting sessions, e.g., bringing a USB drive with data, relevant files, and list of questions
- For fee-based consulting, make timely payment of an invoice for services rendered by SCG staff

Types of Analyses Provided by SCG

- Basic statistical analyses include:
  - Study design, power analysis, sampling, survey design, experiment design, text scanning, descriptive analysis of data, graphical visualization of data, hypotheses testing, linear and logistic regression modeling, analysis of variance
- Advanced statistical analyses include:
  - Principal component analysis, discriminant analysis, clustering, decision trees, neural networks, Bayesian estimation and hypotheses testing, bootstrapping, nonparametric hypotheses testing, smoothing splines, survival analysis, Poisson and negative binomial modeling, time series modeling, longitudinal regression modeling, hierarchical modeling, spatial regression modeling, structural equation modeling, generalized estimating equations modeling, quality control
- Technical software packages and programming languages include:
  - Excel, Access, Enterprise Miner, R, SPSS, Minitab, Tableau, Python, Matlab, Mathematica

Statistics is a grammar of science.

~ Karl Pearson (1857-1936), a famous statistician who founded the world’s first statistics department