

Listed below are some web pages that are potentially useful for biostatistical consulting. Some provide explanations suitable for clients, and others may be useful for statisticians providing service.

Topic	Description	URL
Common Table 1 mistakes	This discusses two problems that often occur in studies' descriptive summaries (usually presented as "Table 1").	<a href="http://www.ctspedia.org/Table1Mistakes">www.ctspedia.org/Table1Mistakes</a>
Insufficient and spurious precision	This explains the concepts of insufficient and excessive precision and provides suggested guidelines for how many decimals to present for P-values, odds ratios, relative risks and hazards, correlation coefficients, fold-effects, and regression coefficients.	<a href="http://www.ctspedia.org/GoodPrecision">www.ctspedia.org/GoodPrecision</a>
Use of "significant" alone	This explains why it is important to avoid use of "significant" or "significantly" alone in manuscripts.	<a href="http://www.ctspedia.org/SignificantAlone">www.ctspedia.org/SignificantAlone</a>
Interval censored data	This discusses three different approaches for modeling interval-censored survival data, along with how to implement them in R or SAS. It concludes with a recommended general strategy for doing regression modeling with interval-censored survival data.	<a href="http://www.ctspedia.org/IntervalCensoredAnalysis">www.ctspedia.org/IntervalCensoredAnalysis</a>
Results interpretation	This provides general conceptual guidance on how to interpret results of statistical analyses, with emphasis on avoiding the common problem of focusing only on whether or not P-values are $<0.05$ . It also links to an interactive application that provides example text, based on user inputs, giving interpretations that reflect the estimates and confidence intervals, rather than just the P-values.	<a href="http://www.ctspedia.org/ResultsInterpretation">www.ctspedia.org/ResultsInterpretation</a>
Log transformation	This explains and illustrates conceptual and practical issues about when to use logarithmic transformation of outcome or predictor variables and how to report results.	<a href="http://www.ctspedia.org/LogTransformation">www.ctspedia.org/LogTransformation</a>
Infinite estimates	This describes options for how to perform and report regression analyses in cases where standard approaches break down because estimated effects are infinite. It includes specific methods for SAS and some for Stata, describes advantages and drawbacks of several methods, and has links to additional web pages that explain many of the key concepts used.	<a href="http://www.ctspedia.org/InfiniteEstimates">www.ctspedia.org/InfiniteEstimates</a>
Reporting followup time	This explains what to report about followup time in time-to-event studies and provides an example.	<a href="http://www.ctspedia.org/ReportingFollowupTime">www.ctspedia.org/ReportingFollowupTime</a>
Reporting Power	This briefly explains why statistical power is irrelevant for interpreting the results of completed studies, provides references documenting strong support for this fact, and discusses why this calls into question the supposed need to report power calculations in publications of studies' results.	<a href="http://www.ctspedia.org/ReportingPower">www.ctspedia.org/ReportingPower</a>
Common Biostatistical Problems	This discusses in article form the common biostatistical problems and best practices from a lecture developed for Biostat 209, and also provides lecture slides, lecture notes, and source files. Detailed subheadings in the article format permit linking directly to specific issues.	<a href="http://www.ctspedia.org/CommonBiostatisticalProblems">www.ctspedia.org/CommonBiostatisticalProblems</a>
Ethics and Sample size	This summarizes past literature on the issue of whether having too small a sample size makes a study unethical, and then has a side-by-side structure for presenting reasoning on both sides of various issues and points.	<a href="http://www.ctspedia.org/EthicsSampleSize">www.ctspedia.org/EthicsSampleSize</a>