**Laryngoscope Case Study**

**Assignment 2: Statistical Analysis Report**

[Creative Commons License](http://creativecommons.org/licenses/by-nc-sa/4.0/)The purpose of this assignment is to gain experience in drafting a statistical analysis report for a case study or for a real client. This involves carrying out the data analysis you described in your statistical analysis plan to address the research question(s), and then communicating your results clearly to a scientific audience or client. This assignment has three parts.  
  
**Part 1 - due Friday night**  
Carry out the analyses you described in your statistical analysis plan. (You are encouraged to use the review of your plan as well as the class discussion to revise your plan before actually carrying it out.) Use Google Docs to write a statistical analysis report**.** Follow the guidelines in the *Statistical Analysis Report Guide* – but keep the report concise, ideally less than ~5 pages. Place a copy of your report in the Laryngoscope Case Study Statistical Analysis Reports folder in Google Drive **by Friday night** or very early Saturday morning.  
  
**Part 2 - due Sunday night**   
Review *at least one* other student's report carefully and use the comment feature of Google Docs to insert comments, questions and suggestions. Did they include all of the items described in the Statistical Analysis Report Guide? Do the results address the research questions? Are there any odd or surprising results? Is the report written clearly in a way that a non-statistician scientist would understand it? What *constructive* suggestions do you have for improving their report? Complete your review **by Sunday night.**  
  
**Part 3 - in class Monday**  
In class on Monday, we will discuss each report. Be prepared to explain / defend your results and the way you communicated them.

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