**Laryngoscope Case Study**

**Assignment 1: Statistical Analysis Plan**

[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 plan. This involves both making appropriate data analysis decisions to address the research question(s), and communicating those decisions clearly, primarily to other statisticians. This assignment has three parts.  
  
**Part 1 - due Friday night**  
Use Google Docs to write a [statistical analysis plan (SAP)](https://ay17.moodle.umn.edu/pluginfile.php/2048296/mod_page/content/2/Case%20Study_Statistical%20Analysis%20Plan%20Description.docx) to address the research question for the Laryngoscope Case Study.Refer to the *Statistical Analysis Plan Description* document for details. Place a copy of your plan in the [Laryngoscope Case Study SAPs](https://drive.google.com/drive/folders/1mnplLJlAk00hUWVh1rtM-XDiPabzgJek?usp=sharing) folder in Google Drive **by Friday night** or very early Saturday morning.  
  
**Part 2 - due Sunday night**   
Review *at least one* other student's plan carefully and use the comment feature of Google Docs to insert comments, questions and suggestions. Is their plan described clearly? Are there gaps or missing items? Does it address the given research question? Do you foresee problems with their approach? What *constructive* suggestions do you have for improving their plan? Complete your review **by Sunday night.**  
  
**Part 3 - in class Monday**  
In class on Monday, we will discuss each plan. Be prepared to explain / defend your proposed approach. We will discuss the pluses and minuses of each proposed approach, as well as other appropriate approaches (if relevant).   
  
*You are encouraged to use the review of your plan as well as the class discussion to revise your planned analysis before actually carrying it out for the next assignment.*

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