BIOL 121 UNIT 1 Diabetes Data Report Template

Please note: This report is based on the proposal you submitted in Lab 1 and the data you analyzed in Lab 2. It DOES not include any methods or results from Labs 3 and 4. However the concepts covered in those labs should be used to provide context, especially in your introduction and discussion. For example, your introduction should include information on food and diet (which we covered in Lab 3) or the symptoms of diabetes (which we covered in Lab 4).

1. INTRODUCTION
   1. Discuss diabetes
      1. Symptoms, complications and treatments
      2. Focus on Type 2 diabetes and importance of diet
      3. Discuss hyper and hypoglycemia and the insulin biochemical pathway. Connect it to the symptoms and complications of diabetes
   2. Introduce the diabetes epidemic in the U.S. Include statistics on prevalence
   3. OUR STUDY (separate sub-heading)
      1. Research question
      2. Hypotheses (include the null)
      3. Rationale
      4. Use of existing state data on diabetes
2. METHODS
   1. More info on diabetes data set.
   2. Hypothesis
      1. Statistics used
      2. Graph used
3. FINDINGS
   1. Brief summary of results
   2. Results of hypothesis testing
   3. Summary data table
   4. Statistical results
   5. Graph
4. DISCUSSION
   1. Briefly summarize conclusions
   2. What do your results mean?
   3. Other considerations?
   4. CONCLUSIONS (separate sub-heading)
      1. What did we learn?
      2. How could this new information affect the diabetes epidemic? How can it be made useful?
      3. What can’t we say? What else do need to know?