

Organization of data analysis report (limited to 7 single-spaced pages including all tables and figures but excluding appendices, use 1 inch margins on paper size of 8.5 inches by 11 inches, and a font size of 11 or 12 pts):

1. Title: please provide a meaningful title for your report.
2. Executive Summary (like an abstract): One paragraph that describes the problem, how it was addressed, results, and conclusions.
3. Introduction:
  - a. What is the question(s)?
  - b. What are the hypotheses?
  - c. What type of statistical analyses is used and why is it appropriate?
4. Exploratory Data Analysis: describe the data in tables and graphs.
5. Statistical Analyses: these should be described to someone who is a quantitatively savvy scientist, not to your statistics professor. You need to justify the approach used and justify final models using the data.
  - a. Put computer outputs in an appendix
  - b. State hypothesis/hypotheses
  - c. Describe why the particular method was used
  - d. Provide test statistic and p-value (or confidence interval). Draw and interpret statistical inference.
  - e. Interpret results in plain language.
6. Conclusions
  - a. Summarize results
  - b. Discuss limitations of the study
  - c. Discuss future studies
7. References
8. Appendix: please include annotated computer codes.

**SPRING 2020**

**Statistics Data Analysis Report**

**REPORT COVER PAGE**

**PLEASE READ BEFORE SUBMITTING YOUR REPORT.**

DO NOT include your name or redID on ANY page of your report.

Number every report page, i.e., Page 1 of 10, page 2 of 10, etc.

Reports will NOT be graded without your signature on the cover page. Unsigned reports will be disqualified. Reports will be disqualified if the completed cover page is not submitted with the report. Reports MUST be hand delivered in person to a designated Staff person in the department office by the deadline. No other form of submission will be accepted. Written report is due in the Department Office, **GMCS 413**, no later than **Tuesday, JANUARY 21, at 11:00am**. Exams may be submitted any day before the deadline, but not after the deadline. Plan ahead to submit your report in person by the deadline.

COMPLETE EACH LINE BELOW BEFORE YOU SUBMIT YOUR REPORT. You need to turn in the following filled page as well.

**STATISTICS MASTERS COMPREHENSIVE EXAM**

**DATA ANALYSIS REPORT**

**SPRING 2020**

I declare, under the penalty of perjury, that this report and data analysis was completed by me,  
with no additional advice or help from any other person.

**EXAM CODE#** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**PRINT LAST NAME, first name** \_\_\_\_\_

**RedID#** \_\_\_\_\_

**SIGNATURE**

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