

AP STATISTICS PROJECT

TYPE AND DOUBLE-SPACE YOUR REPORT using the headings below (in order):

COVER SHEET

A cover sheet with title (posed as a question), name(s) and date (5 points)

ABSTRACT

Clearly write a summary (less than 200 words) of the observational study including the aim, the hypotheses, the method, the results and the conclusion (5 points)

INTRODUCTION

Clearly state your null and alternative hypotheses in words and mathematically (5 points)

METHOD

Describe how you carried-out your observational study using a chronological order. List all materials used and reference sample copies to Appendix A (10 points)

RESULTS

Explicitly justify the inference test chosen to test your hypothesis. Show all calculations (using formulas), find a P -value and state a conclusion using language that your Grandmother or Grandfather could understand. If appropriate, construct an appropriate confidence interval to support your findings (25 points)

DISCUSSION

Discuss things that went wrong and make suggestions on what you would/should have done differently (10 points)

APPENDIX A

Include all materials used for the observational study (10 points)

APPENDIX B

Display all the data you gathered in a table. If applicable, include good data summaries (means, standard deviations, 5-number summaries etc.) and a commentary on these summary statistics (10 points)

APPENDIX C

Accurately and clearly graph the results directly relevant to your hypothesis and provide commentary on what it shows (10 points)

**CONVERT YOUR REPORT TO A PDF AND E-MAIL IT TO ME NO LATER
THAN THURSDAY, MAY 14**