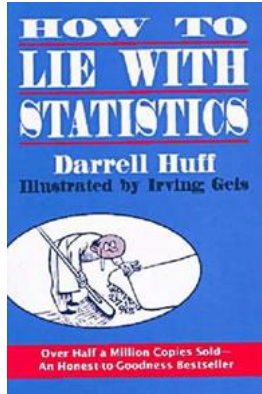


23-24 NGHS AP STATS Summer Assignment: (Q1 Test Grade)



DUE the **first day of the third week of class, 9/11/23, AT THE START OF CLASS!** This assignment does not have to be completed during the summer.

An assignment turned in late for ANY reason will be graded down 10% per school day that it is late to a minimum of 50%, if turned in.

Read the book: *How to Lie with Statistics* By: Darrell Huff

There are several copies in the school media center, the local libraries and if you start immediately, I also have over 10 copies!! This can also be found as a pdf online, just use Google to find pdf version.

After you have finished reading the book:

Part I Scan through the pages and pick out your **TWO Favorite examples** of ways that people have been or can be misled by statistics. Summarize the circumstances around each occurrence in your own words, and state **what should have been done better or in a different way. At least one of your examples must be GRAPHICAL example** (show/redraw the picture). Make it neat and explain carefully what is wrong! Do not directly quote the book. Put everything in your own words. Grading Rubric on next page.

This book is obviously very old and although the examples are very well done, they are obviously outdated.

II You are to update TWO of the examples found in the book. To UPDATE an example of a “common lie”. Include the example in the Huff book and then find an article from **media** (newspaper, popular magazine, website, advertisement, etc.) that you are using as a basis for your updated example. Attach the article to your work. Explain how you felt the article “lied”, write up the lie as an example for the “edition” and show a corresponding “honest” representation of the new situation. How could they have been more honest in the example!! The updated example that you find should be something that you found in printed form (newspaper, magazines, websites, recent advertisements etc.) and must be news dated **this year!!!!** You cannot use articles more than 6 months old. There are lies in the newspaper almost every day. They should be easy to find!! **BE SURE TO ATTACH THE ARTICLE.**

ALSO: HIGHLIGHT the parts of the article that you believe are a lie. If you refer to a comment in the article be sure it is **HIGHLIGHTED** so I do not need to read the entirety of all the submitted articles.

This is NOT a group/partner assignment. ALL work is to be done by each student individually. You can reach out to me for help, but do NOT collaborate; do not give copies of your work to other students.

This assignment should be handwritten. Each of the two favorite examples and two updates should be on SEPARATE sheets of paper. One situation per page!! So, you will have a total of 4 pages of work in addition to a cover page (5 pages). The graphic must refer to the page where you found the graphic in the book. You can scan or cut and paste the graphic.

HAVE FUN FINDING ARTICLES AND CITING THE EXAMPLES!!

This is a repeat of the directions in a more concise form.

Direction summary:

1. Read the book: How to Lie with Statistics
2. Find two of your favorite “Lies”
3. Summarize two of the lies in your own words (1 page per summary). One summary must be of the graphical nature. It may be shorter than one page, but please start a new page for your next summary.
4. Find articles that illustrate two of the types of lies in the book and report on them. (one sheet for each article. Tape the article to the page OR staple the article to your sheet.) **INCLUDE THE ARTICLE!!** These may be the illustrations of your “favorite” lies OR a different lie that you found in the book.
5. **HIGHLIGHT** the key points in the article that pertain to the lie.
6. Include a cover page. (Which brings your total to 5 sheets of paper + the included “new” articles from the past 6 months) (2 attached articles)

One more time: Page 1 COVER PAGE (4 pts)

(Rubric with points)

Page 2 Summarize one of your favorite lies/chapters (20 pts)

Page 3 Summarize one of your favorite **Visual/Graphical** lies (20 pts)

Page 4 Find an example in RECENT NEWS that illustrates one of the techniques for lies. (ATTACH a copy of the article) (20 pts)

Page 5 Find a second example in RECENT NEWS that illustrates one of the techniques for lies. (ATTACH a copy of the article) (20 pts)

Highlighted the actual article you attach to point out the lies. (8 pts)

Handwritten and followed ALL directions. (8 pts)

Any questions: Send me an email at dorrelr@gcsnc.com. I check my email infrequently during the summer, so you may not hear back from me immediately, but should be within a few days.

My e-mail address is: dorrelr@gcsnc.com

FIVE (5) EXTRA Q1 QUIZ GRADES (One for each unit completed by first day of the third week of class **AT THE START OF CLASS!**): Concerned about your readiness for AP Statistics, check out this amazing resource at Khan Academy. Get ready for AP Stats course visit www.khanacademy.org/join and enter your class code **3V9G73DZ**

REQUIRED CLASS MATERIALS:

- **100-page Composition book** for Interactive Student Notebook (ISN) (Recommend College Ruled)
- **A Graphing Calculator: A MUST FOR THIS COURSE (Recommend TI 84+)**