

Name:

Project 2: Histograms and Misleading Representations

Please use the following to answer the questions for Project 2. Make sure to answer the question in complete sentences with proper grammar and spelling. This document should be saved as a PDF and submitted in D2L.

Questions for Task 1:

Double click where it says "Name:" at the top of this document and type your name.

- A) Is the data categorical or numerical? If it is numerical data, is it discrete or continuous data?

- B) What formula did you use in cell **E297** in the UA Football Win Record sheet?

- C) Copy and paste your ***frequency*** table from Excel here.

Name:

D) Copy and paste your **relative frequency** table from Excel here.

E) Copy and paste your histogram from Excel here.

Name:

- F) Looking at the histogram you created, describe its shape in terms of the number of mounds and skewness. Use terminology from the course.
- G) Make a rough estimate of the mean of the data by looking at the histogram. What does this value tell you about the overall win/loss record for UA Football?
- H) A student claims that **most** UA Football games are won or lost by a big margin. Do you agree or disagree with the student? Use the shape of the histogram to justify your answer.

Name:

Questions for Task 2:

- A) Copy and Paste your time series graph from Excel here that would persuade the football player to join the UA team.
- i. Write a sentence that explains how your time series graph would persuade the player to join the UA team.

Name:

- B) Copy and Paste your time series graph from Excel here that would persuade the football player to join the USC team.
- i. Write a sentence that explains how your time series graph would persuade the player to join the USC team.

Name:

- C) Copy and Paste your time series graph from Excel here that here that presents the data as fairly as possible.
- i. Write a sentence that explains how your time series graph is unbiased.