BDA Assignment 4

In this assignment, you are on your own to create some analytics! Use the attached grade sheet to be the Instructor and analyze your final grades for the course.

Part 1 – Import the data.

Open Tableau and connect to a Microsoft excel file and select the gradebook. Begin your analysis by clicking 'Sheet 1' at the bottom.

Part 2 – High performing students.

Create a visualization that shows the students that scored the highest overall in the course.

Part 3 - Difficult Assignments.

Which assignments were most difficult for students? Create a visualization that shows what assignment group was the most difficult for students.

Background:

The assignment groups are as follows:

- Quizzes
- ERPSIM Assignments
- Simulations
- Homework
- Video Exercises
- Simulations

Instructor Tip: You will need to first group the assignment scores into a new field. Then you will need to 'standardize' the scores by creating percentages. The total points for each assignment is in the field name.

Part 4 – Grade Distribution

What was the overall grade distribution? A grade distribution is the total count of As, Bs, Cs, etc. that occurred during the course. Create a visualization that shows this distribution.

Background:

The total points for the course were 1000 points, and the course used a standard distribution of 900+ points = A, 800-899 = B, 700-799 = C, 600-699 = D, <600 = U.

Instructor Tip: You will need to create a field that calculates the letter grade. You will then need to count how many students fall into each of those letter grades.

Part 5 – Anything Unique?

Finally, create a visualization that shows anything unique you believe is in this dataset. Try to make it something interesting!

Instructor Tip: Ideas might include answering questions such as: What was the overall class average, and which assignment groups fell above or below this? Did every student participate throughout the semester, or was there a certain date range some students stopped logging in/participating? How many missed assignments were there (scores of zero) compared to overall?

How you are graded:

This assignment is mostly graded on your ability to complete the instructions and submit your assignment. I will review your submission for missed items and give you feedback on where you might have gone wrong.

To submit your assignment, you need to go File -> Print, and then save as a pdf. PLEASE ONLY UPLOAD A PDF to blackboard! Submit by clicking on the assignment title.