



Monmouth
COLLEGE

• Name: _____

• Date: _____

• Section: 13:00 ~ 13:50

BUSI 201 Business Data Analysis

Quiz #2: Formulae and Functions

Spring 2025

INSTRUCTIONS:

- GRADES WILL BE BASED ON THE CORRECT APPLICATION OF FUNCTIONS AND FORMULAE ONLY.
- Read each prompt carefully before attempting to answer any of the questions.
- Save/rename the workbook to **LoginID-quiz2.xlsx**. LoginID is your Monmouth College ID.
- Once you are finished, submit your answers as an attachment (files shared using SharePoint will not be graded) via email to BPARK@monmouthcollege.edu.
- Double-check your submission email for your attached file, file name, and recipient's email address, as you will not be permitted to submit or update your solutions past the in-class deadline.

Problem #1. Gradebook

The worksheet Quiz2-Sheet1 is a hypothetical gradebook for a college-level course, where the total score depends on the student’s performance on the midterm exam (35% weight), the final exam (65% weight), and the potential for extra credit.

Name	Midterm 35%	Final 65%	Extra Credit	Total	Rank	Pass	Letter Grade
Aaron Mitchell	63.19	69.26	0	A	B	C	D
Abigail Thompson	59.38	90.26	1				
Adam Richardson	76.94	70.76	1				
Aiden Carter	51.67	78.68	0				
Alexander Hughes	88.03	92.79	1				
Alice Bennett	42.33	67.02	1				
Amanda Foster	71.81	92.96	0				

1.A Fill in the Red Box: A by finding the grand total score for each student. The grand total score for each student can be calculated using the following formula. You **MUST** use the weights given in cells C3 and D3.

$$\text{Total} = \text{Midterm Score} \times \text{Midterm Weight} + \text{Final Score} \times \text{Final Weight}$$

1.B Fill in the Blue Box: B by determining the rankings for each student. The student with the highest total score must be ranked as 1.

1.C Fill in the Orange Box: C by determining whether a student passes the course. If a student’s total score is greater than or equal to 70, they pass the course.

1.D Fill in the Green Box: D by determining the letter grade for each student. The grading rules are as follows:

- If the total score is greater than or equal to 90, the letter grade shall be A.
- If the total score is greater than or equal to 80 but strictly less than 90, the letter grade shall be B.
- If the total score is greater than or equal to 70 but strictly less than 80, the letter grade shall be C.
- If the total score is strictly less than 70, the letter grade shall be F.

Problem #2. Gradebook

The worksheet Quiz2-Sheet1 is a hypothetical gradebook for a college-level course, where the total score depends on the student’s performance on the midterm exam (35% weight), the final exam (65% weight), and the potential for extra credit. Using functions, answer the 4 questions that are given in the table in range K2 : L7.

Question	Answer
What is the number of students in this class?	
How many students were given extra credit?	
What is the average of the <i>midterm</i> scores?	
What is the third highest total score?	

- 2.A How many students are in this class?
- 2.B How many students completed the extra credit task? Students who completed the extra credit task are marked with a 1 in the Extra column.
- 2.C What is the class’s average score on the Midterm exam?
- 2.D What is the Total score of the 3rd-ranked student?

• Original Score: _____

• Recovered Score: _____

• Original Date: _____

• Recovered Date: _____