



**Monmouth**  
COLLEGE

- Name: \_\_\_\_\_
  - Date: \_\_\_\_\_
  - Section: 09:00 ~ 09:50
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## **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](mailto: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. 800 Meter Dash**

The worksheet Quiz2-Sheet1 is a hypothetical record of an 800-meter dash competition in seconds. Each contestant was given three attempts, which are recorded as the 1st, 2nd, and 3rd rounds. Using functions and/or formulas, complete the following tasks.

Name	1st Round	2nd Round	3rd Round	Average	Record	Rank	Qualified?
Aaron Mitchell	138.87	163.84	158.58	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Abigail Thompson	139.10	175.28	140.94				
Adam Richardson	158.92	162.75	162.98				
Aiden Carter	150.12	158.55	130.31				
Alexander Hughes	155.99	144.60	170.53				
Alice Bennett	154.38	161.30	154.56				
Amanda Foster	157.28	133.70	160.37				
Amelia Reed	146.66	148.63	137.75				
Andrew Parker	128.82	141.84	140.38				
Angela Collins	151.49	131.19	157.52				
Anthony Gray	152.22	145.93	167.03				

- 1.A Fill in the Red Box: A by calculating the average record across all three rounds for each contestant.
- 1.B Fill in the Blue Box: B by determining the best record for each contestant. The faster a contestant completes the 800-meter dash, the better the record.
- 1.C Fill in the Orange Box: C by ranking each contestant based on the Record calculated in task 1 . B. The contestant who completed the race in the shortest amount of time should be ranked 1st.
- 1.D Fill in the Green Box: D with Qualified for contestants who qualify, and leave the cells empty for those who do not qualify. The top 30 contestants, based on their Record calculated in task 1 . B, qualify for a national competition.

**Problem #2. 800 Meter Dash**

The worksheet Quiz2-Sheet1 is a hypothetical record of an 800-meter dash competition in seconds. Each contestant was given three attempts, which are recorded as the 1st, 2nd, and 3rd rounds. Using functions, answer the 3 questions that are given in the table in range K2 : L5.

Question	Answer
What is the number of participants?	
What is the average record for the 1st round?	
What is the third best attempt across all three rounds?	

- 2.A How many people participated in this competition?
- 2.B What is the average record for Round 1?
- 2.C What is the third-best attempt across all three rounds?

• Original Score: \_\_\_\_\_

• Recovered Score: \_\_\_\_\_

• Original Date: \_\_\_\_\_

• Recovered Date: \_\_\_\_\_