



**Monmouth**  
COLLEGE

• Name: \_\_\_\_\_

• Date: \_\_\_\_\_

• Section: \_\_\_\_\_

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## **BUSI 201: Business Data Analysis**

### **Quiz #3: More Functions**

**Fall 2024**

#### **INSTRUCTIONS:**

- Once you are finished, save/rename the workbook to [LoginID-quiz3.xlsx](#), and submit your results via email to [BPARK@monmouthcollege.edu](mailto:BPARK@monmouthcollege.edu).
- [BUSI201-F2024-Q03-Workbook.xlsx](#) is the companion workbook for this quiz.
- The workbook consists of 3 worksheets: [Quiz3-Sheet1](#), [Quiz3-Sheet2](#), and [Quiz3-Sheet3](#)
- The quiz booklet contains 3 problems.
- Double-check your submission email for your attached file, file name, and receiver's email address, as you will not be permitted to submit or update your solutions past the in-class deadline.
- All grading will be based on the use of the correct functions, and manually typed in answers shall not be awarded any credit.

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**Problem #1. Gas Station Sales Data**

Navigate to worksheet Quiz3-Sheet1 and complete the following tasks.

- 1.A. Fill in the **Red Box: A** by finding the total revenue of the gas stations (including both sales from Gasoline and Food) by each location. For instance, in cell K4, you should calculate the total revenue recorded from the Northern gas station in July 2024.

Total Sales by Location (July 2024)				
	North	East	West	South
Total Revenue	<b>A</b>			

- 1.B. Fill in the **Blue Box: B** with the average daily gasoline price by location, and the total revenue from Gasoline sales exclusively.

- In cell K8, you should calculate the average per gallon price of gasoline sold in the Northern gas station in July 2024.
- In cell K9, you should calculate the total revenue from Gasoline sales only in the Northern gas station in July 2024.

Gasoline Sales by Location (July 2024)				
	North	East	West	South
Average Price per Gallon	<b>B</b>			
Total Revenue				

**Problem #2. Employee Level Sales Data**

Navigate to worksheet Quiz3-Sheet2 and complete the following tasks.

Employee	2024Q1	2024Q2	2024Q3	2024YTD	WARNING	RATING
Marshall Boyle	\$ 4,152.19	\$ 21,161.35	\$ 22,111.05	\$ 47,424.59	A	B
Nell Bryan	\$ 13,688.86	\$ 22,149.42	\$ 22,921.90	\$ 58,760.18		
Tara Green	\$ 19,892.05	\$ 6,483.97	\$ 9,761.23	\$ 36,137.25		
Mandy Banks	\$ 1,831.64	\$ 18,303.36	\$ 9,104.74	\$ 29,239.74		
Lucille Gallegos	\$ 17,102.02	\$ 11,096.69	\$ 7,356.48	\$ 35,555.19		
Shelia Donahue	\$ 13,610.28	\$ 23,844.19	\$ 10,171.27	\$ 47,625.74		
Warren Todd	\$ 18,186.95	\$ 18,698.05	\$ 15,318.67	\$ 52,203.67		
Bobbie McDermott	\$ 24,224.94	\$ 15,896.27	\$ 14,847.19	\$ 54,968.40		
Norma Good	\$ 18,673.86	\$ 2,044.28	\$ 20,744.27	\$ 41,462.41		
Mario Robertson	\$ 19,587.46	\$ 3,138.33	\$ 12,075.21	\$ 34,801.00		
Mildred Blackwell	\$ 13,332.35	\$ 21,061.46	\$ 15,913.65	\$ 50,307.46		
Lucas Mosley	\$ 15,191.08	\$ 2,247.59	\$ 21,950.59	\$ 39,389.26		
Kendra Welch	\$ 11,983.24	\$ 12,412.67	\$ 4,831.95	\$ 29,227.86		
Bernadette Cruz	\$ 11,113.34	\$ 23,986.11	\$ 13,556.79	\$ 48,656.24		
Erika Ibarra	\$ 24,340.94	\$ 8,872.85	\$ 1,774.90	\$ 34,988.69		
Trevor Kirk	\$ 24,982.66	\$ 18,034.49	\$ 9,432.16	\$ 52,449.31		
Wanda Rogers	\$ 2,071.89	\$ 9,609.94	\$ 17,102.92	\$ 28,784.75		
Jeremy McCann	\$ 14,171.11	\$ 5,348.82	\$ 13,712.29	\$ 33,232.22		
Aida Garrison	\$ 21,188.27	\$ 19,313.94	\$ 11,175.79	\$ 51,678.00		
Barb Gifford	\$ 2,738.00	\$ 23,283.58	\$ 4,710.04	\$ 30,731.62		

- 2.A. Fill the cells in the Red Box: A with WARNING if the employee’s year-to-date sales value is strictly lower than \$30,000.
- 2.B. Fill the cells in the Blue Box: B with EXCELLENT if the employee’s year-to-date sales value is greater than or equal to \$50,000, and SATISFACTORY is the employee’s year-to-date sales value is greater than or equal to \$40,000, but strictly lower than \$50,000.

**Problem #3. Real Estate Listings**

Navigate to worksheet Quiz3-Sheet3 and complete the following tasks.

ID	City	Bedrooms	Asking Price
40030	<b>A</b>	<b>B</b>	<b>C</b>
28377			
94787			
59338			

- 3.A. Fill the cells in the Red Box: A with the city name of the real estate property associated with the ID given to the left.
- 3.B. Fill the cells in the Blue Box: B with the number of bedrooms in the real estate property associated with the ID given to the left.
- 3.C. Fill the cells in the Green Box: C with the asking price of the real estate property associated with the ID given to the left.

• Original Score: \_\_\_\_\_

• Recovered Score: \_\_\_\_\_

• Original Date: \_\_\_\_\_

• Recovered Date: \_\_\_\_\_