- Name: _____

- Date: _____

- Section: Section 1 (10:00 AM ~ 10:50 AM)

Monmouth COLLEGE

BUSI 201 Business Data Analysis
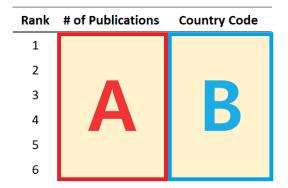
Quiz #3: Functions

Spring 2024

INSTRUCTIONS:

- Credit will be awarded for the correct use of formulae and functions, and no credit shall be awarded to manually typed-in answers even if the values are correct.

- Once you are finished, save/rename the workbook to `LoginID-quiz3.xlsx`, and submit your results via email to `BPARK@monmouthcollege.edu`.

- `BUSI201-S2024-Q03-S01-Workbook.xlsx` is the companion workbook for this quiz.

- The workbook consists of 2 worksheets: `Quiz3-Sheet1-S01` and `Quiz3-Sheet2-S01`

- The quiz booklet contains 2 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.

- The recovery rate for Quiz #3 will be 50%.

Problem #1. Publications

The worksheet `Quiz3-Sheet1-S01` contains real-world data on articles published in scientific journals by country in 2018. The variable named `Country` represents the country's full official name, `Continent` corresponds to the country's continent of origin, `Publications` tells us how many articles have been published in scientific journals, and `Country Code` is an abbreviation for each country's name.

1.A. Fill in the Red Box: A with the number of publications from the country with the most publications, number of publications from the country with the second most publications, down to the number of publications from the country with the 6th most publications recorded in 2018.

1.B. Fill in the Blue Box: B with the corresponding `Country Code`. For instance, in cell `I5` should have the country code of the country with the most publications in 2018.

1.C. Fill in the Green Box: C with the information on how many countries that were included in this survey by each continent. For instance, in cell `L5`, you should report "the number of countries in Africa that show up in this dataset."

1.D. Fill in the Orange Box: D with the information on the total number of publications reported by each continent. For instance, in cell `M5`, you should report "the total number of publications from the countries in Africa in 2018."

Rank	# of Publications	Country Code		Continent	# of Countries	Total Publications
1				Africa		
2				Asia		
3	A	B		Europe	C	D
4				North America		
5				South America		
6				Oceania		

Problem #2. Gradebook

The worksheet `Quiz3-Sheet2-S01` contains a synthetic gradebook for some college level course.

2.A. If a student gets a grand score of 60 or higher, they pass this course. Fill in the Red Box: A with PASS if the student passes the course, and FAIL if they fail.

2.B. Fill in the Blue Box: B with the letter grade that the student is expected to recieve. The cutoffs for the letter grades are given as follows:

   A : Greater than or equal to 90.

   B : Greater than or equal to 80, but strictly less than 90.

   C : Greater than or equal to 70, but strictly less than 80.

   D : Greater than or equal to 60, but strictly less than 70.

   F : Strictly less than 60.

2.C. Fill in the Green Box: C with the number of students enrolled in this class for each major. For instance, in cell I5, you should report "the number of students majoring in ACCT that are taking this course."

2.D. Fill in the Orange Box: D with the average score achieved by the students in each major. For instance, in cell J5, you should report "the average score for ACCT students taking this course."

Student	Major	Grand Score	Pass / Fail	Letter Grade	Major	# Students	Average Score
Emily Johnson	PSYC	62.71			ACCT		
Michael Thompson	HIST	97.02			ARTD		
Sarah Martinez	BUSI	59.85			BIOL		
David White	BUSI	40.86			BUSI		
Jessica Garcia	THEA	100.00	A	B	ECON	C	D
Christopher Davis	BUSI	100.00			ENGL		
Lauren Rodriguez	THEA	100.00			ENGR		
Matthew Wilson	ECON	31.98			HIST		
Ashley Lopez	ECON	84.27			PSYC		
Joshua Lee	ENGL	65.42			THEA		

- Original Score: _____

- Original Date: _____

- Recovered Score: _____

- Recovered Date: _____