

**ENGR 0011 – Fall 2018**  
**HW 2 a.k.a. the “HOLY GUACOMOLE” Homework**

Acceptable behaviors for this assignment include:

- Consulting your textbook or other written material
- Asking your team members
- Asking your professor or TA

Note that consulting materials and asking others is only acceptable as long as they do not provide you with the solutions – you have to come to the solution on your own!

Unacceptable behaviors for this assignment include:

- Copying the solution(s)/file from a manual, book, other written material or, student
- Copying the solutions(s) from assignments submitted in previous semesters
- Providing the solutions/file to a classmate, student in other section, student in future section, or online solution banks
- Asking someone to complete the assignment for you

**Part 1:**

Open up Excel and import the Avocado dataset “HW2AvocadoDataset” provided to you on Courseweb. Ensure that “**Avocado Price (USD)**” is in the 1<sup>st</sup> column, “**Total Volume Sold (lbs)**” is in the 2<sup>nd</sup> column and, “**Region**” is in the 3<sup>rd</sup> column. Please format the columns so that the data is centered and Times New Roman 12pt font is used. It should look like the following:

|   | A                          | B                              | C             |
|---|----------------------------|--------------------------------|---------------|
| 1 | <b>Avocado Price (USD)</b> | <b>Total Volume Sold (lbs)</b> | <b>Region</b> |
| 2 | 1.01                       | 2580602.96                     | GreatLakes    |
| 3 | 1.01                       | 2504745.45                     | GreatLakes    |
| 4 | 1.03                       | 2608448.06                     | GreatLakes    |
| 5 | 1                          | 2981347.2                      | GreatLakes    |
| 6 | 1.07                       | 2198408.92                     | GreatLakes    |
| 7 | 1.03                       | 2601821.63                     | GreatLakes    |
| 8 | 1.09                       | 2494044.41                     | GreatLakes    |
| 9 | 0.98                       | 3184946.53                     | GreatLakes    |

**Part 2:**

Add two columns titled **Total Cost (USD)** and **Total Cost (JMD)**. Compute the Total Cost in US Dollars by using *Relative Addressing* to multiply the *Average Price Column A* by *Total Volume Sold (lbs) in Column B*. Next use *Absolute Addressing* to convert the total cost in US Dollars to a total cost in Jamaican dollars (JMD). The exchange rate is 1USD is equal to \$137.2 Jamaican Dollars. All the values for cost should be formatted in the “Accounting Format” (i.e. \$ 2,606,408.99). Your solution should look like the following:

|    | A                          | B                              | C             | D                       | E                       | F | G                                 | H            |
|----|----------------------------|--------------------------------|---------------|-------------------------|-------------------------|---|-----------------------------------|--------------|
| 1  | <b>Avocado Price (USD)</b> | <b>Total Volume Sold (lbs)</b> | <b>Region</b> | <b>Total Cost (USD)</b> | <b>Total Cost (JMD)</b> |   |                                   |              |
| 2  | 1.01                       | 2580602.96                     | GreatLakes    | \$ 2,606,408.99         | \$ 357,599,313.37       |   | <b>Exchange Rate (USD to JMD)</b> | <b>137.2</b> |
| 3  | 1.01                       | 2504745.45                     | GreatLakes    | \$ 2,529,792.90         | \$ 347,087,586.50       |   |                                   |              |
| 4  | 1.03                       | 2608448.06                     | GreatLakes    | \$ 2,686,701.50         | \$ 368,615,446.05       |   |                                   |              |
| 5  | 1                          | 2981347.2                      | GreatLakes    | \$ 2,981,347.20         | \$ 409,040,835.84       |   |                                   |              |
| 6  | 1.07                       | 2198408.92                     | GreatLakes    | \$ 2,352,297.54         | \$ 322,735,223.09       |   |                                   |              |
| 7  | 1.03                       | 2601821.63                     | GreatLakes    | \$ 2,679,876.28         | \$ 367,679,025.47       |   |                                   |              |
| 8  | 1.09                       | 2494044.41                     | GreatLakes    | \$ 2,718,508.41         | \$ 372,979,353.43       |   |                                   |              |
| 9  | 0.98                       | 3184946.53                     | GreatLakes    | \$ 3,121,247.60         | \$ 428,235,170.64       |   |                                   |              |
| 10 | 1                          | 3229124.75                     | GreatLakes    | \$ 3,229,124.75         | \$ 443,035,915.70       |   |                                   |              |

**This is an individual assignment.** Upload your Excel file through your class computer using the official file submission link (found on the desktop of class computers in GSCC 138 or BEH 229 at the beginning of the class when this assignment is due). The file should be named Assign-2-pittusername (e.g. Assign-2-mam447).