You will be engaging in Learning Tasks (learning opportunities) that require you to (a) use a variety of reasoning and critical thinking strategies to address issues and problems, and (b) write reflectively about what you are learning, how it relates to what you already know about the content, and how it relates to your life (in some cases). Reflectively, means “relating to or characterized by deep thought; thoughtful.” Thoughtful comments should include, but is not limited to using terms, concepts, and other details from the text, lecture, etc.

Naming the File

The file submitted should be a **Word doc ONLY** with excel exhibits. Do not type data in Word. Excel is needed to insure it is professional, better alignment, and easier to understand. The file name should be File name Course number and section, Last name ONLY, the assignment (Required: 51101W Yourlastname LT2) (example if you are Ms Jones: 51101W Jones LT2). Please see the example template below. The numbered problem and question are required. Then the answer for that particular question (or sub question if sub questions are given).

Specific Problem Instructions

After reading the assignment. Please follow the instructions on all details so that there are no mistakes in grading your assignment. The text is very useful in solving these problems. Insure you answer the questions with your writeup and not within a spreadsheet. Your writeup will let me know that you thoroughly understand the answers you derive. A table or exhibit is not a substitute for answering the question. The table or any exhibit is to assist in your explanation to your reader. You must highlight your key numbers that are critical for your solution. DO NOT HIGHLIGHT ENTIRE DATASETS OR SENTENCES.

Complete the following questions. In a few cases, the setup for the problem should and will have to be completed in excel. So please submit the assignments in Word (for the explanation and analysis of the answers) BUT use Excel (for the setup and solution). This should make it easier to process the data. **COPY YOUR EXCEL SOLUTION TO WORD PLEASE.**

The file submitted should be a **Word doc ONLY**

REMINDER Insure you follow the questions clearly. For example:

1. WORD document submission only
2. Excel spreadsheets inserted into the Word document (not snippets or links) you are submitting. Too many times links are not active or there are software compatibility issues.
3. If items are plural, such as conclusions or observations, then I look for more than 1 conclusion or observation.
4. If you are required to sort, filter, or order the dataset, I will need to see the change in the dataset based on sorting, filtering, or ordering the dataset. (i.e. the original dataset and a sorted dataset.)
5. Insure you highlight your final answer in terms of key numbers, probabilities, etc. This is to insure I know your final answers. (.86.5% prob x>.5)

**Key grading instrument items (pts)**

Missing the questions (per question) -2

Each answer not highlighted -2

Missing the excel exhibit (per question) -4

Not showing your work (per question) -3

Question not completed (per question) max pts off

Questions and numbering not included (per question) -2

File name not correct -5

Missing the TAMUC cover page only -10

**File MAYBE returned and not graded (request resubmit)**

Missing the cover page

Questions and numbering not included

File name not correct

Information not copied to WORD or submission in more than 1 document

Complete the following questions.

                           Notes                            LT 2 problems

Chapter                                                    Question (pts)

Chap 5                 p. 168-172                     **5** (5)

p. 218 Hamilton County Judges Case (20)

DO NOT WRITE THE ENTIRE CASE, ONLY THE QUESTIONS FROM THE CASE UNDER MANAGERIAL REPORT.

Chap 7                 p. 302-305                     1a,1b (5)

**p. 369** Alumni Giving (20)

DO NOT WRITE THE ENTIRE CASE, ONLY THE QUESTIONS FROM THE CASE UNDER MANAGERIAL REPORT.

Chap 8                 p. 383-387            1 (5)

Chap 10               p. 466-471             1a,1b (5)

Chap 12               p. 558-567                     1,2 (20)

Chap 15               p. 682-688                     1,2 (20)

**Remember, the notes pages are meant to assist and insure you setup the problem correctly.**

**Chap 5 dataset for the Hamilton County Judges Case isn’t provided by the publisher. So please pull your data from the text.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Alumni Giving Database (below)   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **University** | **State** | **Graduation Rate** | **% of Classes Under 20** | **Student-Faculty Ratio** | **Alumni Giving Rate** | | Boston College | MA | 85 | 39 | 13 | 25 | | Brandeis University | MA | 79 | 68 | 8 | 33 | | Brown University | RI | 93 | 60 | 8 | 40 | | California Institute of Technology | CA | 85 | 65 | 3 | 46 | | Carnegie Mellon University | PA | 75 | 67 | 10 | 28 | | Case Western Reserve Univ. | OH | 72 | 52 | 8 | 31 | | College of William and Mary | VA | 89 | 45 | 12 | 27 | | Columbia University | NY | 90 | 69 | 7 | 31 | | Cornell University | NY | 91 | 72 | 13 | 35 | | Dartmouth College | NH | 94 | 61 | 10 | 53 | | Duke University | NC | 92 | 68 | 8 | 45 | | Emory University | GA | 84 | 65 | 7 | 37 | | Georgetown University | DC | 91 | 54 | 10 | 29 | | Harvard University | MA | 97 | 73 | 8 | 46 | | Johns Hopkins University | MD | 89 | 64 | 9 | 27 | | Lehigh University | PA | 81 | 55 | 11 | 40 | | Massachusetts Inst. of Technology | MA | 92 | 65 | 6 | 44 | | New York University | NY | 72 | 63 | 13 | 13 | | Northwestern University | IL | 90 | 66 | 8 | 30 | | Pennsylvania State Univ. | PA | 80 | 32 | 19 | 21 | | Princeton University | NJ | 95 | 68 | 5 | 67 | | Rice University | TX | 92 | 62 | 8 | 40 | | Stanford University | CA | 92 | 69 | 7 | 34 | | Tufts University | MA | 87 | 67 | 9 | 29 | | Tulane University | LA | 72 | 56 | 12 | 17 | | U. of California–Berkeley | CA | 83 | 58 | 17 | 18 | | U. of California–Davis | CA | 74 | 32 | 19 | 7 | | U. of California–Irvine | CA | 74 | 42 | 20 | 9 | | U. of California–Los Angeles | CA | 78 | 41 | 18 | 13 | | U. of California–San Diego | CA | 80 | 48 | 19 | 8 | | U. of California–Santa Barbara | CA | 70 | 45 | 20 | 12 | | U. of Chicago | IL | 84 | 65 | 4 | 36 | | U. of Florida | FL | 67 | 31 | 23 | 19 | | U. of Illinois–Urbana Champaign | IL | 77 | 29 | 15 | 23 | | U. of Michigan–Ann Arbor | MI | 83 | 51 | 15 | 13 | | U. of North Carolina–Chapel Hill | NC | 82 | 40 | 16 | 26 | | U. of Notre Dame | IN | 94 | 53 | 13 | 49 | | U. of Pennsylvania | PA | 90 | 65 | 7 | 41 | | U. of Rochester | NY | 76 | 63 | 10 | 23 | | U. of Southern California | CA | 70 | 53 | 13 | 22 | | U. of Texas–Austin | TX | 66 | 39 | 21 | 13 | | U. of Virginia | VA | 92 | 44 | 13 | 28 | | U. of Washington | WA | 70 | 37 | 12 | 12 | | U. of Wisconsin–Madison | WI | 73 | 37 | 13 | 13 | | Vanderbilt University | TN | 82 | 68 | 9 | 31 | | Wake Forest University | NC | 82 | 59 | 11 | 38 | | Washington University–St. Louis | MO | 86 | 73 | 7 | 33 | | Yale University | CT | 94 | 77 | 7 | 50 | |  |  |

**Dataset for Chap 7 problem 1a, 1b**

|  |  |  |
| --- | --- | --- |
| **Model** | **Weight** | **Price** |
| Fierro 7B | 17.9 | 2200 |
| HX 5000 | 16.2 | 6350 |
| Durbin Ultralight | 15.0 | 8470 |
| Schmidt | 16.0 | 6300 |
| WSilton Advanced | 17.3 | 4100 |
| bicyclette vélo | 13.2 | 8700 |
| Supremo Team | 16.3 | 6100 |
| XTC Racer | 17.2 | 2680 |
| D’Onofrio Pro | 17.7 | 3500 |
| Americana #6 | 14.2 | 8100 |
|  |  |  |
|  |  |  |

**Dataset for Chap 10 problem 1a, 1b**

|  |  |
| --- | --- |
| **Cox Electric Breakeven Analysis** | |
|  |  |
| Revenue per Unit | $0.65 |
|  |  |
| Fixed Costs | $10,000.00 |
|  |  |
| Material Cost per Unit | $0.15 |
|  |  |
| Labor Cost per Unit | $0.10 |
|  |  |
|  |  |

Insure you answer the questions with your writeup. The table is not a substitute for answering the question. The table or any exhibit is to assist in your explanation to your reader.

**Part B of Chapter 5 # 1-**

**1a: Based of the data above, if you randomly choose a Delta Air Lines Flight, what is the probability that this individual flight will have an on-time arrival?**

**Explanation:** According to the information given for question 1a, the sample size is equal to the number of Airlines given. Therefore, n would be 10. The On-time arrival data shown for Delta Airlines flights is 86.5%. *To answer the question, it would result in the probability of the Delta Airlines flight………*

|  |  |  |  |
| --- | --- | --- | --- |
| **Airline** | **On-Time Arrivals (%)** | **Mishandled Baggage per 1,000 Passengers** | **Customer Complaints per 1,000 Passengers** |
| Virgin America |  |  |  |
| JetBlue |  |  |  |
| AirTran Airways |  |  |  |
| Delta Air Lines |  |  |  |
| Alaska Airlines |  |  |  |
| Frontier Airlines |  |  |  |
| Southwest Airlines |  |  |  |
| US Airways |  |  |  |
| American Airlines |  |  |  |
| United Airlines |  |  |  |