

| A close up of a sign  Description automatically generated | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Data Science Academy Bootcamp | | | | | | | | |
| Final exam | | | | | | | | |
| **Name,Surname:** |  | | Date: | |  | | | |
| **Exam:** Tableau | |  | |  | |  | | |
| **Instructions:** You will be given ***1 hour and 30 minutes*** to complete examination. There are 2 parts and 3 types of questions including: True/False, Multiple choice, and Practical.  **First part** will last ***30 minutes****,* and you must write answers directly on word document. Internet search is **not** permitted.  **Second part** is Practical question and will last ***60 minutes***. It is your responsibility to submit your exam answers electronically to [homework@dsa.az](mailto:homework@dsa.az) with **“Tableau Final Exam”** subject.  Before you leave examination you **MUST** contact mentor to confirm that you have submitted your examination.  Good Luck! | | | | | | | | |
| PART 2: TRUE/FALSE | | | | | | | | | |
| **Directions: Read each statement below carefully. Place a** +  **mark on the “True” cell if you think a statement is TRUE, and on the “False” cell if you think the statement is FALSE.** | | | | | | | | | |
|  | | | | | | | | | |
| DATASET: sample-superstore-subset-excel.xlsx | | | | | | | | | |
|  | | | | | | | True | False | |
| 1. On January and February, most profitable product sub-category was Office machines. (4 points) | | | | | | |  |  | |
| 2. Tables were most sold on West (3 points) | | | | | | |  |  | |
| 3. Regular Air was the most frequent ship mode for all provinces (3 points) | | | | | | |  |  | |
| 4. For all product categories, regular air was most frequent ship mode (3 points) | | | | | | |  |  | |

| PART 2: MULTIPLE CHOICE |
| --- |
| **Directions: Read each question carefully, and then place a + next to the answer that best fits the question.** |
|  |
| 1. What is the percent of total Sales for the ‘Home Office’ Customer Segment in July of 2012? (3 points)  a. 23.50%  b. 23.97%  c. 20.14%  d. 32.56%  2. Find the top 10 Product Names by Sales within each region. Which product is ranked #2 in both the Central & West regions in 2011? (3 points)  a. Riverside Palais Royal Lawyers Bookcase  b. Bush Mission Pointe Library  c. Sharp AL-1530CS Digital Copier  d. Global Troy Executive Leather Low Back Tilter  3. Determine which State in the Central Region has the highest distribution of profits using boxplot. (10 points)  a. South Dakota  b. North Dakota  c. Minnesota  d. Iowa |
|  |

| PART 2: PRACTICAL QUESTIONS |
| --- |
| **Directions: Read each point carefully, build dashboard and send responses as twb or twbx file.** |
|  |
| DATASET: sample-superstore-subset-excel.xlsx  Create a dashboard that includes:   1. Gray backround color (2 points) 2. Map chart of province sales distribution: 3. Show bottom 10 Provinces by sales (5 points) 4. Use a parameter that allows the user to change number of provinces (5 points) 5. Line chart that shows sales by years. (5 points) 6. Treemap of product sub-categories by sales. (5 points) 7. Donut chart that illustrates sales by order priority (7 points) 8. Titles, labels,and other proper design elements. (2 points) |
|  |

