

### Tableau individual assignment: Spend analysis and data visualization Quiz (in Moodle LMS)

A set of individual questions related data visualisation (Some questions on "Spend analysis", type of data and analysis using Tableau for this assignment).

Due date: Monday, 16 May 2016 (Midnight)

Question_Type	Question(Area)	Question(Area_Order)	Question_Bank_(Codes)	Questions_in_Question_Bank
multichoice	Spend_Anal	A	SQ_01-Transaction data	Why is it important to capture the transaction level data associated with all purchasing processes?
multichoice	Spend_Anal	A	SQ_02-Key question for spend analysis	One of the following is NOT a key question typically answered by doing a spend analysis:
multichoice	Spend_Anal	A	SQ_03-Key question for spend analysis	One of the following is NOT a key question typically answered by doing a spend analysis:
multichoice	Spend_Anal	A	SQ_04-Spend Analysis steps	One of the following is NOT a typical step in conducting a Spend Analysis:
multichoice	Spend_Anal	A	SQ_05-Spend Analysis steps	One of the following is NOT a typical step in conducting a Spend Analysis:
multichoice	Data_Type	B	DQ_01-Category	What type of data did you find in the "Category" Field Name (Variable) contained in one of the two industry sample data sets of the manufacturing company's spend data for 2012 and 2013?
multichoice	Data_Type	B	DQ_02-Commodity	What type of data did you find in the "Commodity" Field Name (Variable) contained in one of the two industry sample data sets of the manufacturing company's spend data for 2012 and 2013?
multichoice	Data_Type	B	DQ_03-Discount Days	What type of data did you find in the "Discount Days" Field Name (Variable) contained in one of the two industry sample data sets of the manufacturing company's spend data for 2012 and 2013?
multichoice	Data_Type	B	DQ_04-Discount Percent	What type of data did you find in the "Discount Percent" Field Name (Variable) contained in one of the two industry sample data sets of the manufacturing company's spend data for 2012 and 2013?
multichoice	Data_Type	B	DQ_06-Sub Category	What type of data did you find in the "Sub Category" Field Name (Variable) contained in one of the two industry sample data sets of the manufacturing company's spend data for 2012 and 2013?
multichoice	Data_Type	B	DQ_07-Tier	What type of data did you find in the "Tier" Field Name (Variable) contained in one of the two industry sample data sets of the manufacturing company's spend data for 2012 and 2013?
multichoice	Data_Type	B	DQ_08-Invoice Date	What type of data did you find in the "Invoice Date" Field Name (Variable) contained in one of the two industry sample data sets of the manufacturing company's spend data for 2012 and 2013?
multichoice	Data_Type	B	DQ_09-Invoice Amount	What type of data did you find in the "Invoice Amount" Field Name (Variable) contained in one of the two industry sample data sets of the manufacturing company's spend data for 2012 and 2013?
multichoice	Data_Type	B	DQ_10-Line Item Quantity	What type of data did you find in the "Line Item Quantity" Field Name (Variable) contained in one of the two industry sample data sets of the manufacturing company's spend data for 2012 and 2013?
matching	Data_Calcs	C	DC_01-Association	Make a typical association between the following "Field Names (Variables)" of the datasets you have received and the "Logical/ math operations" possible (<, >, =, ≠, +, -, ×, ÷).
matching	Data_Calcs	C	DC_02-Association	Make a typical association between the following "Field Names (Variables)" of the datasets you have received and the "Logical/ math operations" possible (<, >, =, ≠, +, -, ×, ÷).
matching	Data_Calcs	C	DC_03-Association	Make a typical association between the following "Field Names (Variables)" of the datasets you have received and the "Logical/ math operations" possible (<, >, =, ≠, +, -, ×, ÷).
matching	Data_Calcs	C	DC_04-Association	Make a typical association between the following "Field Names (Variables)" of the datasets you have received and the "Logical/ math operations" possible (<, >, =, ≠, +, -, ×, ÷).

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Question_Type	Question(Area)	Question(Area_Order)	Question_Bank_(Codes)	Questions_in_Question_Bank
truefalse	Graphs	D	TG_01-Bar charts	Why are Bar charts one of the most common ways to visualise data? It's quick to compare information, revealing highs and lows at a glance.
truefalse	Graphs	D	TG_02-Bar charts (when)	Bar charts are also good to use when comparing data across different categories.
truefalse	Graphs	D	TG_03-Line charts	Line charts are one of the less frequently used chart types.
truefalse	Graphs	D	TG_04-Line charts (when)	Line charts are ideally suited for viewing trends in data over time.
truefalse	Graphs	D	TG_05-Pie charts	Pie charts are the most commonly misused chart type. When possible, avoid pie charts and doughnuts. The human mind thinks linearly but, when it comes to angles and areas, most of us can't judge them well.
truefalse	Graphs	D	TG_06-Map	It does not really add any value to show the location data you've got on a map (even if you have any kind of location data like coordinates, country names, state names or abbreviations, or addresses, that you can plot on a map).
truefalse	Graphs	D	TG_07-histograms	It is not very useful to consider histograms when you want to see how your data are distributed across groups/categories.
truefalse	Graphs	D	TG_08-Scatter plots	Scatter plots are useful when investigating the relationship between different variables.
multichoice	Queries	E	TQ_07-State spend (a)	What state in America recorded the highest spend for the total of "Packaging, Plastics and Steel" commodities for the 2012 calendar year (in US Dollars) based on "Line Item Quantity" for the manufacturing company?
multichoice	Queries	E	TQ_08-State spend (b)	What state in America recorded the 2nd highest spend for the total of "Packaging, Plastics and Steel" commodities for the 2012 calendar year (in US Dollars) based on "Line Item Quantity" for the manufacturing company?
multichoice	Queries	E	TQ_09-State spend (c)	What state in America recorded the highest spend for the total of "Packaging, Plastics and Steel" commodities for the 2013 calendar year (in US Dollars) based on "Line Item Quantity" for the manufacturing company?
multichoice	Queries	E	TQ_10-State spend (d)	What state in America recorded the 2nd highest spend for the total of "Packaging, Plastics and Steel" commodities for the 2013 calendar year (in US Dollars) based on "Line Item Quantity" for the manufacturing company?
multichoice	Queries	E	TQ_11-Most#Suppliers(a)	Each of the commodities in the choices below typically has 5 or more different suppliers providing this goods or service to the manufacturing company. Which one of these commodities had the highest number of different suppliers in 2012 for the state "CA" ?
multichoice	Queries	E	TQ_12-Most#Suppliers(b)	Each of the commodities in the choices below typically has 5 or more different suppliers providing this goods or service to the manufacturing company. Which one of these commodities had the 3rd highest number of different suppliers in 2013 for the state "CA" ?
multichoice	Queries	E	TQ_13-Most#Suppliers(c)	Each of the commodities in the choices below typically has 5 or more different suppliers providing this goods or service to the manufacturing company. Which one of these commodities had the 2nd highest number of different suppliers in 2012 for the state "IL" ?
multichoice	Queries	E	TQ_14-Most#Suppliers(d)	Each of the commodities in the choices below typically has 5 or more different suppliers providing this goods or service to the manufacturing company. Which one of these commodities had the highest number of different suppliers in 2013 for the state "IL" ?
numerical	Queries	E	TQ_01-Spend_Packaging (2012)	What is the total spend on "Packaging" for the 2012 calendar year (in US Dollars) based on "Invoice Amount" for the manufacturing company (Round your figure to the nearest 1000)?
numerical	Queries	E	TQ_02-Spend_Packaging (2013)	What is the total spend on "Packaging" for the 2013 calendar year (in US Dollars) based on "Invoice Amount" for the manufacturing company (Round your figure to the nearest 1000)?

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Question_Type	Question(Area)	Question(Area_Order)	Question_Bank_(Codes)	Questions_in_Question_Bank
numerical	Queries	E	TQ_03-Spend_Plastics (2012)	What is the total spend on "Plastics" for the 2012 calendar year (in US Dollars) based on "Invoice Amount" for the manufacturing company (Round your figure to the nearest 1000)?
numerical	Queries	E	TQ_04-Spend_Plastics (2013)	What is the total spend on "Plastics" for the 2013 calendar year (in US Dollars) based on "Invoice Amount" for the manufacturing company (Round your figure to the nearest 1000)?
numerical	Queries	E	TQ_05-Spend_Steel (2012)	What is the total spend on "Steel" for the 2012 calendar year (in US Dollars) based on "Invoice Amount" for the manufacturing company (Round your figure to the nearest 1000)?
numerical	Queries	E	TQ_06-Spend_Steel (2013)	What is the total spend on "Steel" for the 2013 calendar year (in US Dollars) based on "Invoice Amount" for the manufacturing company (Round your figure to the nearest 1000)?
cloze	Dashboards & Story	F	TD_01-Dashboards	A Tableau dashboard is a collection of several related {1:SHORTANSWER:visualisations} shown on a single page, usually tied together through interactivity. Dashboards increase the {1:SHORTANSWER:analytical} power of your {1:SHORTANSWER:viz} by allowing {1:SHORTANSWER:multiple perspectives} on your dataset in the same location. Fill in the missing words: visualisations, analytical, viz, multiple perspectives
cloze	Dashboards & Story	F	TD_02-Story point	A story is a sheet that contains a {1:SHORTANSWER:sequence} of {1:SHORTANSWER:worksheets} or {1:SHORTANSWER:dashboards} that work together to convey information. You can create stories to show how facts are connected, provide context, demonstrate how decisions relate to outcomes, or simply make a compelling case. A story is a sheet, so the methods you use to create, name, and otherwise manage worksheets and dashboards apply to stories. At the same time, a story is also a collection of sheets, arranged in a sequence. Each individual sheet in a story is called a {1:SHORTANSWER:story point}. Fill in the missing words: worksheets, sequence, dashboards, story point
truefalse	End_Quest	G	TABL_End_Quest	Sharing a workbook with other Tableau Desktop users is fairly straightforward, but there are a few things to consider. One of the major considerations is whether you will be sharing a packaged workbook (.twbx) or an unpackaged workbook (.twb). Packaged workbooks are single files that contain the workbook (.twb), extracts (.tde), file-based data sources that have not been extracted (.xls, .xlsx, .txt, .cub, .mdb, and so on), custom images, and various other related files.