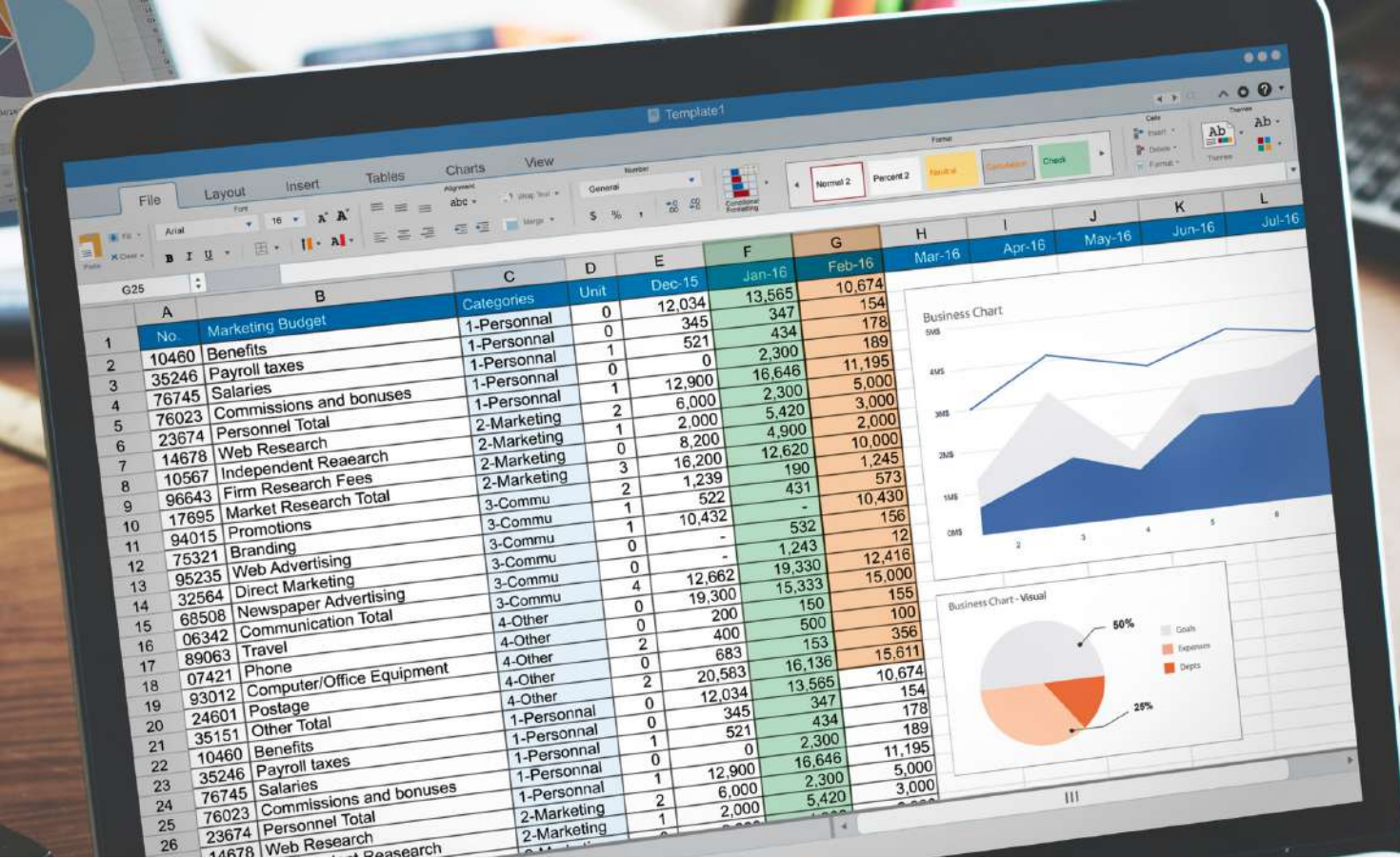


Scroll to begin ↓



## 2.4.1 What Did I Learn in This Module?

In this module, you learned about common software tools that are used by data analysts, what a dataset is

and how one is used, and performed basic functions within Excel. You also learned what variables are and some of the different types of variables that you will find in data.

Tools for Data Understanding and Analysis



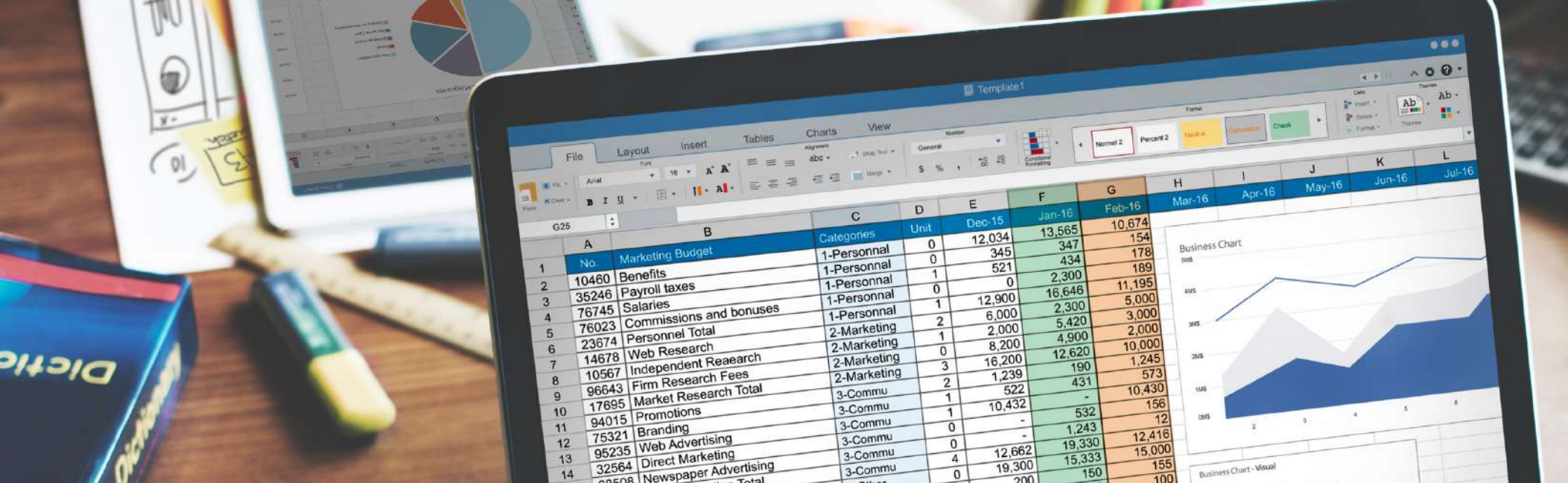
Basic Excel Concepts and Features



Use simple functions for data analysis







## 2.4.2 Quiz

Check your understanding of starting the process by choosing the correct answer to the following questions.

### Question 1

What term describes the key characteristics that are observed or measured as part of an experiment or analysis?



variable

data set

statistics

population

## Question 2

Match the variable with the description.

### Categories:

nominal

A

discrete

B

continuous

C

ordinal

D

### Options:

B



quantitative and finite set of values

D



qualitative values in order of ranking

C



quantitative values with infinite range

A



qualitative values based on identity of the object

## Question 3

What category of variables includes nominal or ordinal variables?

numerical



categorical

ratio

interval

## Question 4

Which statement is an accurate description of discrete variables?

Discrete variables are qualitative and consist of two or more categories in which order matters.

They are quantitative with a continuous range of values.



They are quantitative with a finite set of values.

They are qualitative and consist of two or more categories of values in which order does not matter.

## Question 5

Match the variable with the type of value.

### Variable

### Type of value

nominal

A

ordinal

B

continuous

C

discrete

D

B



student class rank

x

A



eye color

D



number of users

x

C



sales volume

## Question 6



Which statement describes SQL?

It is a visual analytics platform for exploring, analyzing, and managing data.

It is a scripting language for creating dynamic web pages based on social media.

It is a Google open-source product suitable for small datasets and quick data analysis.



It is a powerful data management language that allows data analysts to interact with data stored in relational databases.

## Question 7

Which statement describes Tableau?

It is an AWS product suitable for small datasets and quick data analysis.



It is a visual analytics platform for exploring, analyzing, and managing data.

It is a scripting language for creating dynamic web pages based on data sets.

It is an online platform for data professional to share projects about big data collection and analysis.

## Question 8

Which two statements describe the Kaggle web site? (Choose two.)

It provides many data sets with minimum charges.

It provides many coding samples for creating dynamic advertisement products.



It offers community machine learning competitions among data science enthusiasts.

It enables data analysis tools integration such as Excel, SQL database, and Tableau.



It is an online community for data scientists and machine learning enthusiasts to share ideas.

## Question 9

A data analyst is performing data cleaning on an Excel spreadsheet that contains collected data. Which Excel function would the analyst use to find integer data that is larger than expected?

MIN



MAX

Trim

Sort

## Question 10

A data analyst is performing data cleaning on an Excel spreadsheet that contains collected data. The data records have been marked with mixed formatting. The analyst wants to remove all formatting and reformat data. Which operation should the analyst perform to remove current formatting?



Highlight data range -> Home tab -> Clear -> Clear Formats

Home tab -> Clear Formats -> Highlight data range -> Clear All

Highlight data range -> Home tab -> Clear Formats -> Clear All

Home tab -> Clear Formats -> Clear All -> Highlight data range