Try again once you are ready
Grade received 75%
To pass 80% or higher
 Try again

1. Fill in the blank: Missing data has a value that is not stored for a _____ in a dataset.   1 / 1 point

  ○ row
  ◉ variable
  ○ visualization
  ○ column

  ⊘ Correct
     Missing data has a value that is not stored for a variable in a dataset. It is
     typically encoded as N/A, NaN, or a blank.

2. A data professional requests additional information from a dataset's original owner.   1 / 1 point
   Unfortunately, they are not able to provide the information. Therefore, the data
   professional creates a NaN category in the dataset. What concept does this scenario
   describe?

  ○ Mapping variables in a dataset
  ○ Ensuring two datasets are compatible
  ○ Managing big data
  ◉ Solving the problem of missing data

  ⊘ Correct
     This scenario describes solving the problem of missing data. There are four
     common ways to do this: Request the missing values from the owner of the data;
     delete the missing columns, rows, or values; create a NaN category; or derive
     new representative values.

3. When merging data, a data professional uses the following code: 0 / 1 point

   ```
   df_joined = df.merge(df_zip, how='left',
   on=['date','center_point_geom'])
   ```
   What is the function of the parameters `how` and `on` in this code?

  ○ To tell Python how to find missing values in the rows and columns
  ○ To tell Python how to place the appropriate values on the top row of the dataset
  ◉ To tell Python which datasets should be merged
  ○ To tell Python which way to join the data and which column to join from

  ⊗ Incorrect
     The parameters `how` and `on` tell Python which way to join the data and which
     column to join from. `How` tells Python which way to join the data, and `on` tells
     Python which column to start from.

4. Non-null count is the total number of blank data entries within a data column.   1 / 1 point

○ True
◉ False

✓ Correct
Non-null count is the total number of data entries for a data column that are not
blank.