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1. Which of the following terms are used to describe missing data? Select all that apply. 1 / 1 point

☑ NaN

⊘ Correct

☐ Zero

☑ N/A

⊘ Correct

☑ Blank

⊘ Correct

2. Stakeholders at a film studio hire a data analytics firm to provide insights about the best locations for film shoots. However, the film studio's datasets contain missing data. Which of the following strategies can help the data analytics firm solve this problem? Select all that apply. 0.25 / 1 point

☑ Use their best judgment to add in values themselves.

⊗ This should not be selected
Review the video about dealing with missing data⤤ .

☑ Create a NaN category.

⊘ Correct

☐ Ask the film studio to fill in the missing values.

☐ Add in the missing values by taking the average values from the existing data.

3. A data professional writes the following code:

```
df.merge(df_zip,
how='left',
on=['date','center_point_geom'])
df_joined.head()
```

Which function indicates that the first data frame should be merged with another data frame?

1 / 1 point

- (●) `df.merge()`
- ( ) `df_joined.head()`
- ( ) `how=`
- ( ) `on=`

✓ Correct

4. What tasks could the pandas function pd.isnull() be used for? Select all that apply.

0.5 / 1 point

- ☑ To pull all of the missing values from a data frame

  ✓ Correct

- ☑ To delete all of the values from a data frame

  ⊗ This should not be selected
  Review the video about working with missing data in a Python notebook↗.

- ☑ To change all values to nulls in a data frame

  ⊗ This should not be selected
  Review the video about working with missing data in a Python notebook↗.

- ☑ To identify when a value is missing from a data frame

  ✓ Correct

5. What type of outliers are a group of abnormal points that follow similar patterns and are isolated from the rest of a population?

1 / 1 point

- ( ) Contextual outliers
- ( ) Global outliers
- ( ) Atypical outliers
- (●) Collective outliers

6. A data professional works for a car insurance company. To gain insights about the popularity of electric vehicles, they study categorical data about cars. They add a 0 to their dataset to indicate if a car is gas-powered and a 1 if a car is electric. What does this scenario describe?

1 / 1 point

○ Changing a floating point
○ Removing a data operator
○ Applying a variable character
◉ Using dummy variables

⊘ Correct

7. Fill in the blank: A _____ is a data visualization that displays the magnitude of a set of values using two colors to show the concentration of the values.

1 / 1 point

○ line chart
○ bubble chart
○ bar graph
◉ heat map

⊘ Correct

8. What does the pandas function pd.duplicated() return to indicate that a data value is a duplicate of another value within the same dataset?

1 / 1 point

○ Unique
○ False
○ Duplicate
◉ True

⊘ Correct

9. Fill in the blank: The pandas function _____ enables data professionals to create a new dataframe with all duplicate rows removed.

1 / 1 point

○ `deduplication()`
◉ `drop_duplicates()`
○ `de_duplication()`

○ **`deduplicate()`**

✓ Correct