Python Assessment: Univariate Analysis

TOTAL POINTS 9

1. Using the NHANES data and the previous notebook, the following questions will be about the variable BPXSY2 (with missing values remove). Round your answer to the nearest tenth. (ex: 2.33 should be 2.3, 2.15 should be 2.2) 1 |

   What is the median?

   122.0

2. **What is the mean?** 1 |

   Round your answer to the nearest tenth. (ex: 2.33 should be 2.3, 2.15 should be 2.2)

   124.8

3. **What is the standard deviation?** 1 |

   Round your answer to the nearest tenth. (ex: 2.33 should be 2.3, 2.15 should be 2.2)

   18.5

4. **What is the max?** 1 |

   Round your answer to the nearest tenth. (ex: 2.33 should be 2.3, 2.15 should be 2.2)

   238.0

5. **What is the Interquartile Range (IQR)?** 1 |

   Round your answer to the nearest tenth. (ex: 2.33 should be 2.3, 2.15 should be 2.2)

   22.0

- ○ Series.describe()
- ○ describe(s)

7. Select all that apply: Which will produce a histogram of the numeric Series ‘s’ 1

- ☑ sns.distplot(a=s).set(title=”Histogram of s”)
- ☐ sns.hist(a=s)
- ☐ sns.hist(a=s).set(title=”Histogram of s”)
- ☑ sns.distplot(a=s)
- ☑ sns.distplot(s)
- ☐ sns.hist(s)

8. **How many rows of the DataFrame 'df' are shown with the following code:**

```
1  df.head()
```

5

9. What data is shown when the following code is run?

```
1  df.head(2)
```

- ○ Columns 1 and 2
- ○ Columns 0 and 1
- ○ Rows 1 and 2
- ◉ Rows 0 and 1
- ○ All rows containing the value '2