Assignment 4

The due date for submitting this assignment has passed.

Due on 2021-02-17, 23:59 IST.

1. In python, what will be the output of the command `computer = "COMPUTER"`?
   - a. 6
   - b. 1
   - c. True
   - d. False
   No, the answer is incorrect.
   Accepted Answers: a
   Score: 1 point

2. In python, the command `x = np.random.normal(0, 1, 10)` draws random samples from a normal distribution, where `p` and `q` denotes ______ and ______ respectively.
   - a. Standard deviation and Mean of the distribution
   - b. Mean and Standard deviation of the distribution
   - c. Mean and size of the distribution
   - d. Size and Standard deviation of the distribution
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: a
   Score: 1 point

3. In python the function `numpy.random.poisson` is related to
   - a. Drawing samples from a random normal distribution
   - b. Drawing samples from a uniform distribution
   - c. Plotting and drawing the histogram of an input value
   - d. None of the above
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: d
   Score: 1 point

4. For the function `numpy.random.poisson` in python, the input parameter `lambda` can be list or sequence or str. However, sequentially spaced lists are supported if times is a
   - a. integer
   - b. sequence
   - c. string
   - d. None of the above
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: a
   Score: 1 point

5. In python, the function `numpy.random.uniform(0, 1, 10)` draws samples from a uniform distribution, which
   - a. Includes low, but excludes high
   - b. Includes high, but excludes low
   - c. Includes both high and low
   - d. Does not include both high and low
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: a
   Score: 1 point

6. In python, `numpy.random.poisson` draws samples from a ______ distribution with specified shape(s).
   - a. Poisson
   - b. Lomax
   - c. Poisson
   - d. Uniform
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: a
   Score: 1 point

7. The classical Pareto distribution can be obtained from the Lomax distribution by adding ______ and multiplying by the scale parameter.
   - a. 1
   - b. -1
   - c. 2
   - d. 0
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: a
   Score: 1 point

8. To get the cumulative integrated value of y(t) using composite trapezoidal rule in python which function is used?
   - a. numpy.trapz
   - b. numpy.cumtrapz
   - c. numpy.integrate.cumtrapz
   - d. None of the above
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: a
   Score: 1 point

9. Which function in python integrate y(t) along a given axis using the composite trapezoidal rule?
   - a. numpy.integrate.cumtrapz
   - b. numpy.cumtrapz
   - c. numpy.trapz
   - d. numpy.integrate.cumtrapz
   No, the answer is incorrect.
   Score: 0
   Accepted Answers: a
   Score: 1 point

10. The function `numpy.random.standard_cauchy()` draws samples from a standard Cauchy distribution with mode = ______.
    - a. 0
    - b. 1
    - c. 5.5
    - d. 7.5
    No, the answer is incorrect.
    Score: 0
    Accepted Answers: a
    Score: 1 point