# Unit 4 - Week 02 - Monitoring Wild Animals

# Assignment 2

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

**Due on 2019-08-21, 23:59 IST.**

1)  Which of these is not a demographic parameter?                                                    *1 point*

○ Population size
○ Population density
○ Population habitat
○ Age pyramid

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Population habitat*

2)  The correct deming cycle is                                                                        *1 point*

○ Plan -> Do -> Check -> Act
○ Plan -> Act -> Do -> Check
○ Act -> Do -> Check -> Plan
○ Act -> Check -> Do -> Plan

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Plan -> Do -> Check -> Act*

3)  Distance sampling and Capture-mark-recapture are methods for                                       *1 point*

○ Health monitoring
○ Estimation of sex ratio
○ Estimation of population abundance
○ Estimation of natural predators

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Estimation of population abundance*

4)  _____ is how close the measured values are to the correct value, while _____ is how close the measured values are to each other.    *1 point*

○ Accuracy, Precision
○ Precision, Accuracy
○ Bias, Variance
○ Variance, Bias

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Accuracy, Precision*

5)  An inventory of behaviours exhibited by an animal during a behaviour exercise is called            *1 point*

○ Ecogram
○ Ethogram
○ Behaviourogram
○ Animalogram

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Ethogram*

6)  _____ employs a simple rule of selecting every kth unit strating with a number chosen at random from 1 to k as the random start.    *1 point*

○ Simple random sampling
○ Systematic sampling
○ Stratified sampling
○ Multistage sampling

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Systematic sampling*

7)  Which of these is not an easy assesment of a models performance?                                   *1 point*

○ Likelihood
○ AIC
○ Demographics
○ Absolute measures of model fit

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Demographics*

8)  The scientific study of animal behaviour is called                                                 *1 point*

○ Behaviourism
○ Ecology
○ Ethology
○ Prey-predator dynamics

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Ethology*

9)  As the number of parameters increase,                                                              *1 point*

○ Bias decreases, variance increases
○ Bias decreases, variance decreases
○ Bias increases, variance increases
○ Bias increases, variance decreases

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Bias decreases, variance increases*

10) When receiving antenna is used in I fashion, it gives                                               *1 point*

○ Improved directionality, improved sensitivity
○ Improved directionality, reduced sensitivity
○ Reduced directionality, increased sensitivity
○ Reduced directionality, reduced sensitivity

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Improved directionality, reduced sensitivity*