

1 State whether correlation or regression is appropriate for the following studies.

a An investigation of fish growth in relation to food type. _____

b An investigation of phosphorus and nitrate content of 15 different soils. _____

c An investigation of drilling mud contaminants (barium) in marine sediments, in relation to distance from a 40 well offshore oil rig. _____

d An investigation of ice cover and fish catch in 5 different lakes. _____

2. Compute a t-statistic for a correlation coefficient of $r = 0.25$, with a sample size of 10.