

Carefully read the description of the experiment below. Be prepared to answer the questions that follow the design description as a class quiz.

Salmon build nests (redds) in the gravel bottoms of streams. The eggs are spawned on these nests and covered with gravel. The levels of dissolved oxygen in the water and the permeability of the stream bed are important variables in spawning success. A student of fisheries biology is examining the physical and chemical aspects of salmon spawning grounds. One of the relationships of interest is the percent of fine gravel (<2 mm diameter) and the permeability of the stream bed. This relationship is depicted below. What type of analysis would be used in examining this type of relationship?

