

Question 1) What are Empirical Relations?

Answer: An empirical relationship, also known as a phenomenological relationship, is a link or correlation that is supported by experiment and observation but not necessarily by theory. Example, the average number of defects per KLOC is 2.4 is an empirical relation

Question 2) What is the difference between direct and indirect measures?

Answer: Measures that can be measured directly is called direct measures while some measurements that require calculations are indirect measures

For example: Direct measure could be, Height, weight, lines of code written in a week whereas indirect measure is good code index, Lines of code per week – 10*average number of bugs or college entrance evaluation score

Question 3) What is the difference between accuracy and precision?

Answer:

Accuracy: Accuracy refers to how close a measurement is to the actual or true value

Precision: Precision is how consistent the results are when measurements are repeated. Precise values differ from each other because of random errors, which is a form of observational error