

Workshop:

Exploring Probability Distributions with the TI84 Plus Graphing Calculator

Presenter:

Miss Tay Bee Lian
SMK Abu Bakar
Temerloh, Pahang
taybeelian@gmail.com

Abstract:

As more and more Malaysian Secondary schools are being equipped with Graphing Calculators, it is pertinent to help teachers understand and practice its usage in the classroom. Teachers need to be able to incorporate using the Graphing Calculator as a tool to support their teaching of Mathematics and Additional Mathematics concepts and theories. And in many ways, the statistical and graphing functionalities of the TI84 Plus Graphing Calculator can make the teaching, understanding and learning of difficult concepts much easier for both teachers and students.

This workshop intends to share with Additional Mathematics teachers, the various ways of using the Graphing Calculator to explore and teach the topic of Probability Distributions in the Form Five Additional Mathematics syllabus. Firstly, teachers will be taught how to use the keystrokes related to Binomial and Normal Distributions. Then they will explore and solve sample Probability Distribution problems in a much quicker and efficient way to facilitate the learning process.

It is hoped that this hands-on experience will add a new dimension to the usual 'chalk-and-talk' type of instruction and offer teachers another approach to teaching this topic in the SPM Additional Mathematics syllabus.