STA 422: EXPERIMENTAL DESIGN II

TAKE AWAY CAT

a) Define a BIBD and explain how it’s constructed (6Marks)

b) Discuss the three principles that underline the method of factorial experiments

 (9Marks)

A randomized block design is run for particular refiner and resulting grain size data is shown below (15 marks)



1. Is there any evidence that stiring rate affects grains size?
2. What should the process engineers recommend concerning the choice of stirring rate and furnace for this particular grain refiner if small grain size is desirable?