爱德思

Statistics 2

分类真题

2014-2022 册

A Level Clouds 出品

目录

Chapter 1

Binomial Distribution
(Comprehensive)

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1. The probability of a leaf cutting successfully taking root is 0.05

Find the probability that, in a batch of 10 randomly selected leaf cuttings, the number taking root will be

(a) (i) exactly 1
(ii) more than 2

(5)

A second random sample of 160 leaf cuttings is selected.

(b) Using a suitable approximation, estimate the probability of at least 10 leaf cuttings taking root.

(3)

2. Bill believes that only 30% of customers would like a greater choice on the menu. He takes a random sample of 50 customers and finds that 20 of them would like a greater choice on the menu.

(d) Test, at the 5% significance level, whether or not the percentage of customers who would like a greater choice on the menu is more than Bill believes. State your hypotheses clearly.

(6)