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21 pages

dataHA1.tex

Statistical quality control
Parameter values and data for HA1
Seed for the random number generator: 4599371

HA1: Parameters and data for $\text{pdn} = 1$

Problem 1

$$n = 24, c = 3, N = 85.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.06, \beta = 0.1, p_2 = 0.14.$$

Problem 3

$$n_1 = 29, c_1 = 3, n_2 = 16, c_2 = 5.$$

HA1: Parameters and data for pdn = 2

Problem 1

$$n = 22, c = 5, N = 95.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.04, \beta = 0.15, p_2 = 0.13.$$

Problem 3

$$n_1 = 28, c_1 = 3, n_2 = 17, c_2 = 5.$$

HA1: Parameters and data for $\text{pdn} = 3$

Problem 1

$$n = 27, c = 3, N = 95.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.07, \beta = 0.15, p_2 = 0.18.$$

Problem 3

$$n_1 = 25, c_1 = 2, n_2 = 16, c_2 = 4.$$

HA1: Parameters and data for $\text{pdn} = 4$

Problem 1

$$n = 22, c = 4, N = 80.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.06, \beta = 0.1, p_2 = 0.14.$$

Problem 3

$$n_1 = 24, c_1 = 2, n_2 = 19, c_2 = 4.$$

HA1: Parameters and data for $\text{pdn} = 5$

Problem 1

$$n = 24, c = 3, N = 75.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.04, \beta = 0.1, p_2 = 0.16.$$

Problem 3

$$n_1 = 29, c_1 = 2, n_2 = 16, c_2 = 4.$$

HA1: Parameters and data for $\text{pdn} = 6$

Problem 1

$$n = 26, c = 5, N = 75.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.04, \beta = 0.1, p_2 = 0.16.$$

Problem 3

$$n_1 = 30, c_1 = 2, n_2 = 18, c_2 = 4.$$

HA1: Parameters and data for $\text{pdn} = 7$

Problem 1

$$n = 23, c = 5, N = 85.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.06, \beta = 0.15, p_2 = 0.15.$$

Problem 3

$$n_1 = 29, c_1 = 2, n_2 = 19, c_2 = 4.$$

HA1: Parameters and data for $\text{pdn} = 8$

Problem 1

$$n = 28, c = 3, N = 95.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.06, \beta = 0.1, p_2 = 0.14.$$

Problem 3

$$n_1 = 21, c_1 = 2, n_2 = 16, c_2 = 4.$$

HA1: Parameters and data for pdn = 9

Problem 1

$$n = 24, c = 4, N = 90.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.04, \beta = 0.15, p_2 = 0.14.$$

Problem 3

$$n_1 = 29, c_1 = 3, n_2 = 19, c_2 = 5.$$

HA1: Parameters and data for $\text{pdn} = 10$

Problem 1

$$n = 29, c = 3, N = 85.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.06, \beta = 0.1, p_2 = 0.16.$$

Problem 3

$$n_1 = 16, c_1 = 2, n_2 = 16, c_2 = 4.$$

HA1: Parameters and data for pdn = 11

Problem 1

$$n = 25, c = 4, N = 95.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.05, \beta = 0.15, p_2 = 0.16.$$

Problem 3

$$n_1 = 25, c_1 = 2, n_2 = 15, c_2 = 4.$$

HA1: Parameters and data for pdn = 12

Problem 1

$$n = 24, c = 4, N = 75.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.05, \beta = 0.1, p_2 = 0.14.$$

Problem 3

$$n_1 = 21, c_1 = 3, n_2 = 19, c_2 = 5.$$

HA1: Parameters and data for pdn = 13

Problem 1

$$n = 26, c = 3, N = 85.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.07, \beta = 0.1, p_2 = 0.17.$$

Problem 3

$$n_1 = 17, c_1 = 2, n_2 = 15, c_2 = 4.$$

HA1: Parameters and data for pdn = 14

Problem 1

$$n = 24, c = 4, N = 75.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.07, \beta = 0.1, p_2 = 0.18.$$

Problem 3

$$n_1 = 22, c_1 = 3, n_2 = 16, c_2 = 5.$$

HA1: Parameters and data for pdn = 15

Problem 1

$$n = 23, c = 4, N = 80.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.04, \beta = 0.15, p_2 = 0.13.$$

Problem 3

$$n_1 = 26, c_1 = 2, n_2 = 19, c_2 = 4.$$

HA1: Parameters and data for pdn = 16

Problem 1

$$n = 28, c = 5, N = 85.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.04, \beta = 0.1, p_2 = 0.14.$$

Problem 3

$$n_1 = 25, c_1 = 2, n_2 = 18, c_2 = 4.$$

HA1: Parameters and data for pdn = 17

Problem 1

$$n = 28, c = 3, N = 85.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.04, \beta = 0.1, p_2 = 0.13.$$

Problem 3

$$n_1 = 22, c_1 = 2, n_2 = 19, c_2 = 4.$$

HA1: Parameters and data for pdn = 18

Problem 1

$$n = 21, c = 3, N = 80.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.05, \beta = 0.1, p_2 = 0.17.$$

Problem 3

$$n_1 = 29, c_1 = 3, n_2 = 19, c_2 = 5.$$

HA1: Parameters and data for pdn = 19

Problem 1

$$n = 26, c = 3, N = 90.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.07, \beta = 0.1, p_2 = 0.19.$$

Problem 3

$$n_1 = 28, c_1 = 2, n_2 = 18, c_2 = 4.$$

HA1: Parameters and data for pdn = 20

Problem 1

$$n = 24, c = 5, N = 90.$$

Problem 2

$$\alpha = 0.05, p_1 = 0.05, \beta = 0.15, p_2 = 0.13.$$

Problem 3

$$n_1 = 24, c_1 = 2, n_2 = 15, c_2 = 4.$$