

Bijlage

Onderzoekspracticum 2 College 1 t/m 5 studiejaar 2014-2015

College 2

$$t = \frac{\bar{d} - \mu_d}{S_d / \sqrt{N}}$$

Figuur 1

$$\bar{d} \pm t^* \frac{S_d}{\sqrt{N}}$$

Figuur 2

$$d = \frac{|\bar{x}_1 - \bar{x}_2|}{S_d / \sqrt{2(1-r)}}$$

Figuur 3

$$Z = \frac{(\bar{x}_1 - \bar{x}_2) - (\mu_1 - \mu_2)}{\sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}}}$$

Figuur 4

$$t = \frac{(\bar{x}_1 - \bar{x}_2) - (\mu_1 - \mu_2)}{\sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}}}$$

Figuur 5

$$(\bar{x}_1 - \bar{x}_2) \pm t^* \sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}}$$

Figuur 6

$$d = \frac{|\bar{x}_1 - \bar{x}_2|}{s_p}$$

Figuur 7

$$s_p = \sqrt{\frac{(n_1 - 1)s_1^2 + (n_2 - 1)s_2^2}{n_1 + n_2 - 2}}$$

Figuur 8

College 3

$$\frac{\sigma^2}{n_1} + \frac{\sigma^2}{n_2} = \sigma^2 \left(\frac{1}{n_1} + \frac{1}{n_2} \right)$$

Figuur 9

$$Z = \frac{(\bar{x}_1 - \bar{x}_2) - (\mu_1 - \mu_2)}{\sigma \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$$

Figuur 10

$$s_p^2 = \frac{(n_1 - 1)s_1^2 + (n_2 - 1)s_2^2}{n_1 + n_2 - 2}$$

Figuur 11

$$t = \frac{(\bar{x}_1 - \bar{x}_2) - (\mu_1 - \mu_2)}{s_p \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$$

Figuur 12

$$d = \frac{|\bar{x}_1 - \bar{x}_2|}{s_p}$$

Figuur 13

$$(\bar{x}_1 - \bar{x}_2) \pm t^* s_p \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}$$

Figuur 14

$$F = \frac{\frac{n}{2} (\bar{x}_1 - \bar{x}_2)^2}{s_p^2}$$

Figuur 15

College 4

$$\bar{x}_i = \frac{1}{n_i} \sum_{j=1}^{n_i} x_{ij}$$

Figuur 16

$$s_p^2 = \frac{(n_1 - 1)s_1^2 + (n_2 - 1)s_2^2 + \dots + (n_I - 1)s_I^2}{(n_1 - 1) + (n_2 - 1) + \dots + (n_I - 1)}$$

Figuur 17

$$SSG = \sum_i^I n_i (\bar{x}_i - \bar{x})^2$$

Figuur 18

$$SSE = \sum_i^I (n_i - 1) s_i^2$$

Figuur 19

$$SST = \sum_i^I (x_{ij} - \bar{x})^2$$

Figuur 20

College 5

$$t_{12} = \frac{(\bar{x}_1 - \bar{x}_2)}{s_p \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$$

Figuur 21

$$t_{ij} = \frac{(\bar{x}_i - \bar{x}_j)}{s_p \sqrt{\frac{1}{n_i} + \frac{1}{n_j}}}$$

Figuur 22

$$(\bar{x}_i - \bar{x}_j) \pm t^{**} s_p \sqrt{\frac{1}{n_i} + \frac{1}{n_j}}$$

Figuur 23