Toetsen van Hypothesen.



$$=> \sqrt{100 (1002 - 1000)} = 2$$

Verwerp to als:

Cond: Verwerp Ho, want 2>1.96

6 Onderscheidingsvermogen 1-15 = 0,90

$$\frac{7}{10000} = \frac{7}{100} = 0.10$$

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$$\frac{7}{1000000} = \frac{7}{1000000} = 0.10$$

$$\Lambda \geq \frac{100 \left(-1.96 - 1.28\right)^{2}}{\left(1000 - 1002\right)^{2}}$$

(85) In de blas voorgedaan.

(86)
$$N=9$$
 $G=\frac{4}{12}$ $\alpha=0.01$ $\overline{X}=2.2$

$$T = \sqrt{q(2.2-2)} = 1.8$$
 $Z_{\alpha} = 2.33$

TC 2.33 dus Ho wordt 2.33 miet verworpen.

De derlundigen krijgen gelijh.

$$\begin{array}{ll}
0 & P(T \notin K \mid M = 2.27) \\
= P(T < 2.33) = P(\frac{V_n(M_1 - M_0)}{6} < 2.33 \mid M = 2.27)
\end{array}$$

$$= P(U < 2.33 - \sqrt{9(2.25-2)})$$

$$= P(U < 0.08) = 0.5319$$

$$N > 0.111 \left(-2.33 - 2.33\right)^{2}$$

$$\left(2 - 2.25\right)^{2}$$

n7 38.57

Minimaal 39

4

$$n=16$$

$$T = \frac{\sqrt{16}(270 - 250)}{50} = 1.6$$

x = 0.05

(88)
$$N = 25$$
 $\overline{X} = 61$ $6 = 15$ $\alpha = 0.05$

$$T = \sqrt{25(61-52)} = 3$$

Ze voor Rechtstenzijdig: 1.645

(91)
$$N=5$$
 X } tell benehenen. Ho: $M \le 23$ $Y = 26 + 28 + 22 + 23 + 29 = 25.6$

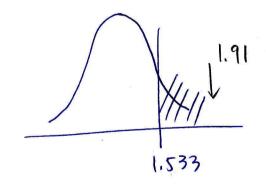
$$S^{2} = \frac{1}{4} \left(\sum x_{i}^{2} - n \cdot \overline{x}^{2} \right) = \frac{1}{4} \left(3314 - 3276.8 \right)$$

$$5 = \sqrt{9.3} = 3.0496$$

Teststatistic:
$$T = \sqrt{n} \left(\overline{x} - \mu \right)$$
 (zoek in de $T = \sqrt{n} \left(\overline{x} - \mu \right)$)

$$= \frac{\sqrt{\Gamma(2x.6-23)}}{3,0496}$$

$$t_{4}(0.10) = 1.533$$



$$\alpha = 0.05$$
 df = 2

(92)
$$S = S$$
 $N = 30$
 $H_0: G^2 = (S.S)^2$

$$T = \frac{(n-1)s^2}{6^2} = \frac{s^2(30-1)}{(s.s)^2} = 23.97$$

Verwerp Ho wiet by x = 0.05Er is geen bewijs dat $5^2 \neq (5.5)^2$