

3.4

$$\mu = \frac{1}{n} \sum_{i=1}^m x_i$$

$$\sigma^2 = \frac{1}{n} \sum_{i=1}^m (N - x_i)^2$$

$$\mu' = \frac{f(x)}{n} \sum_{i=1}^m x_i$$

$$\sigma^2 = \frac{f(x)}{n} \sum_{i=1}^m (N' - x_i)^2$$

# Oefeningen 0 z T

## 3. Analyse op 1 Variabele

3.1.

formule:  $\frac{1}{n} \times \sum_{i=1}^m x_i$

berekening:  $\left(\frac{1}{5} \times 141\right) + \left(\frac{1}{5} \times 198\right) + \left(\frac{1}{5} \times 201\right) + \left(\frac{1}{5} \times 1184\right) =$

$$= 867/5$$

$$= 173,4$$

~~173,4~~

formule:  $\frac{1}{n} \times \sum_{i=1}^m x_i$

3.2.

formule:  $\frac{1}{n} \sum_{i=1}^m x_i$

gegeven:  $m=15$   $n = \cancel{15} 16$

gevraagd: bij  $m=16$   $n=13$

$$\frac{1}{16} \sum_{i=1}^{15} x_i + \frac{1}{16} x_p = 13$$

( $x_p$  = toe te voegen getal)

$$\Rightarrow \frac{1}{16} \times 180 + \frac{1}{16} x_p = 13$$

( $\frac{180}{16} = 11.25$  = gegeven)

$$\Rightarrow 180 + x_p = 13 \times 16$$

( $\frac{1}{16}$  van beide kanten vermenigvuldigen)

$$\Rightarrow x_p = 208 - 180$$

$$\Rightarrow x_p = 28$$