

Voetbalstress

5. Er overlijden $\frac{55}{100} \cdot 203 = 111,7$ mannen per 100 000
- In 1995 waren dat $111,7 \cdot \frac{7\,600\,000}{100\,000} = 8485$ mannen,
- dus gemiddeld $\frac{8485}{365} = 23$ mannen per dag.
6. GR: 30, 30, 24, 22, 31, 41, 21, 25, 31, 28, 28
 $\mu = 28,3$ en $\sigma = 5,3$
7. $\text{normalcdf}(-10^{99}, x, 27,6, 4,1) = 0,05$
 $x = 20,9$ dus de linkergrens is 20,9
De rechtergrens is dan $27,6 + (27,6 - 20,9) = 34,3$
8. $P(X \geq 40,5 \mid \mu = 27,6; \sigma = 4,1) = \text{normalcdf}(40,5, 10^{99}, 27,6, 4,1) = 0,0008$