

Zadaci poglavlje 2 - rješenja

- 1.
- 2.
- 3.
- 4.
- 5.
6. $w = 88$, $\bar{F}_T = \frac{88-t}{88} \mathbf{1}_{(0,88)}(t)$, $\mu(t) = \frac{1}{88-t} \mathbf{1}_{(0,88)}(t)$, $\text{var}T_{16} = 432$.
7. $\frac{1}{1+c}$
8. $VarT_x = \frac{(100-x)^2}{18}$
9. $P(K = k) = \frac{1}{n(n-1)}$, $EK = +\infty$.
10. $f_T = pf_A + (1-p)f_B$
11. $f(t|33) = \frac{1}{2\sqrt{67(67-t)}} \mathbf{1}_{(0,67)}(t)$, $ET_{33} = 44.67$, $P(T_{33} > 30) = 0.74312$.
12.
$$\frac{\lambda(1-p)e^{-\lambda t} + \lambda' p e^{-\lambda' t}}{(1-p)e^{-\lambda t} + p e^{-\lambda' t}}$$
13. $8/35$
14. 0.1
15. $\frac{3}{4}(1+x)^2$
16. 0.909
- 17.
18. 0.234652
19. a) 0.9334662, b) 0.9333418, c) 0.9334662
20. 0.999544, 0.9987346, 0.001210433
21. a) 0.99122, b) 0.00878, c) 0.51765
22. a) 0.09517, b) 0.705, c) 0.0859.