

AĞUSTOS 2018 TARİH BASKILI
STATISTICS I
DERS KİTABINA İLİŞKİN DÜZELTME CETVELİ

1- Ünite 3, sayfa 70, "Test Yourself" 8. soru aşağıdaki şekilde değiştirilmiştir.

I. Men are heavier than women

II. The heaviest is a 188kg women

III. Most repeated kg for the women is 182 kg

For the back-to-back stem-and-leaf display, which of the followings is TRUE?

1 2: represents 12, leaf unit: 1	
men	women
5	7
5000	8
6100	9 0
5300	10
5000	11 05
0	12 000145
80	13
80	14
0	15 0135
80	16
80	17 0
80	18 222239
80	19

- A. I B. II
C. III D. I and II
E. I, II and III

2- Ünite 6, sayfa 140, "Example 6.5" aşağıdaki şekilde değiştirilmiştir.

Example 6.5:

A shop selling mobile phones has purchased four new mobile phones of the same brand and model. It is known that a mobile phone of this brand and model works without any problem for at least 2 years with probability 0.95. What is the probability that all four mobile phones will work without any problem for at least 2 years?

Here, it is natural to assume that a failure of a mobile phone is independent from a failure of another mobile phone. Therefore, if A_i ($i=1,2,3,4$) denotes the event that the i -th mobile phone will work without any problem for at least 2 years, then the probability is given by

$$P(A_1 \cap A_2 \cap A_3 \cap A_4) = P(A_1)P(A_2)P(A_3)P(A_4) = (0.95)^4$$

3- Ünite 7, sayfa 152, "Example 7.2'den önceki formül" aşağıdaki şekilde değiştirilmiştir.

$$\begin{aligned} \sum_{all\ x} P(X = x) &= \sum_{x=1}^6 P(X = x) \\ &= P(X = 1) + P(X = 2) + P(X = 3) + P(X = 4) + P(X = 5) + P(X = 6) \\ &= \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} + \frac{1}{6} = 1 \end{aligned}$$