機統 HW1

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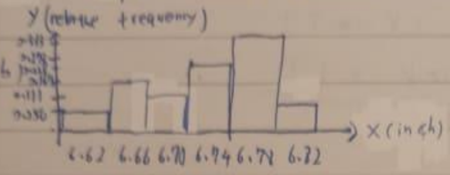
1.22 (a) sample mean : 6.7261

sample standard deviation : 0.25357

(b)



(c) No, it skewed to the left.

2.8 (a) A = {(3,6), (4,5), (4,6), (5,4), (5,5), (5,6), (6,3), (6,4), (6,5), (6,6)}

(b) B = {(2,1), (2,2), (2,3), (2,4), (2,5), (2,6), (1,2), (3,2), (4,2), (5,2), (6,2)}

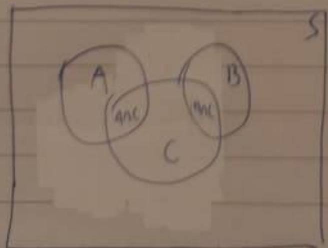
(c) C = {(5,1), (5,2), (5,3), (5,4), (5,5), (5,6), (6,1), (6,2), (6,3), (6,4), (6,5), (6,6)}

(d) A∩C = {(5,4), (5,5), (5,6), (6,3), (6,4), (6,5), (6,6)}

(e) A∩B = ∅

(f) B∩C = {(5,2), (6,2)}

(g)



No.
Date

2.20 (a) 6 (. x M x T v V)

(b) 2 (v M v V x T)

(c) 5.2.6 (M or V x T)

(d) 5.4.7.8 (x V)

2.38 (a) $6! = 720$

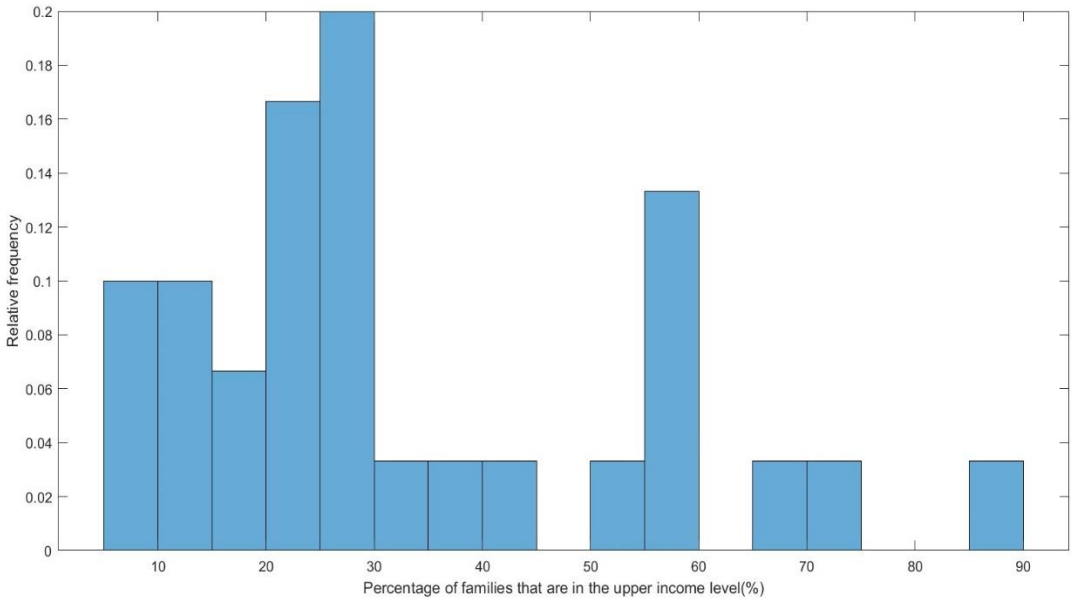
(b) $3!2!2!2! = 48$

(c) $3!3! = 36$

matlab

1.25

(c)



(d) sample mean is bigger than trimmed mean and sample median.it means that data has one or more extreme value in the bigger side.

1.30