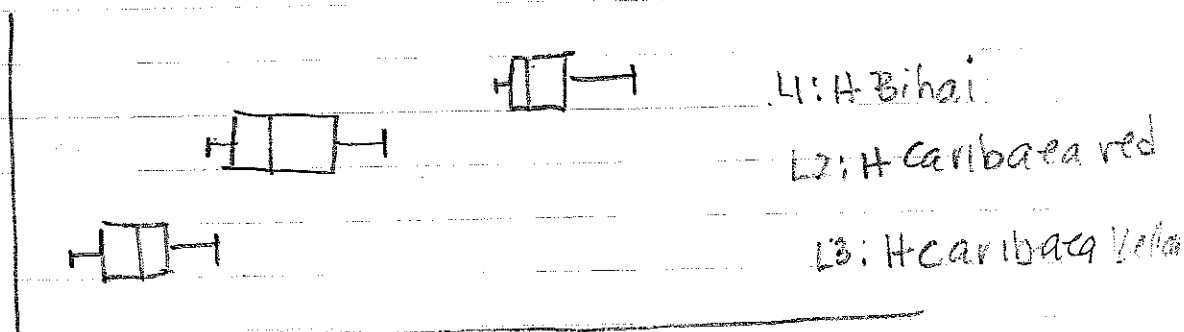


Review
 PG 106-110 61, 63, 69, 70

61
 Grouping
 Calc



H. Bihai: $\min = 46.34$ $\max = 50.26$
 $Q1 = 46.71$ $Q2 = 47.12$ $Q3 = 48.25$

H. Caribaea Red: $\min = 37.4$ $Q1 = 38.07$ $Q2 = 39.16$ $Q3 = 41.69$
 $\max = 43.09$

H. Caribaea Yellow: $\min = 34.57$ $Q1 = 35.45$ $Q2 = 36.11$ $Q3 = 36.82$
 $\max = 38.13$

H. Bihai is the tallest, Red is generally taller than yellow and Red is more variable with a larger IQR than the other 2

(b) H. Bihai: mean $\bar{x} = 47.6$ $s = 1.21$
 H. C. Red: mean $\bar{x} = 39.7$ $s = 1.79$ * \rightarrow more variable
 H. C. yellow: mean $\bar{x} = 36.18$ $s = .975$

(c) since there is skewness within each distribution mean and standard deviation would not be suitable.

\Rightarrow over for stem & leaf

Bihai

46.3	4
46.4	34
46.6	47
46.7	5
46.8	0
46.9	4
47.1	22
47.4	3
48.0	7
48.1	5
48.3	46
50.1	2
50.2	6

Key
 $46.3 | 4 = 46.34$

Better
 to round
 nearest
 10th

Car-red

37.4	0
37.7	8
37.8	7
37.9	7
38.0	17
38.1	0
38.2	03
38.7	9
38.8	7
39.1	6
39.6	3
39.7	8
40.5	7
40.6	6

Car-yellow

34	66	$34 6 = 34.6$
35	2557	
36	001788	
37	01	
38	1	

$d) \quad mm = \frac{1}{1000} m \quad m = 39.37 in$

Bihai
 \bar{x}

$47.6 mm = .0476 m \times 39.37 = 1.87 in$
 $S = 1.21 \rightarrow .00121 m \times 39.37 = .048$

Red

$\bar{x} = 1.563$
 $S = .071$

$\bar{x} = 1.424$
 $S = 0.0384$

Percent of vote

[63] (a)

4	33	
	89	
5	0.0.0	[K45]
	79	57
6	11	

$4/3 = 43\%$

(b) Median = 50.7%

(c)

$57 = Q3 = 57.4\%$

59	61	61
1984	1964	1972

[66] (b)

$Q1 = 2 \text{ hrs}$

min = 0

$Q2 = 5.5$

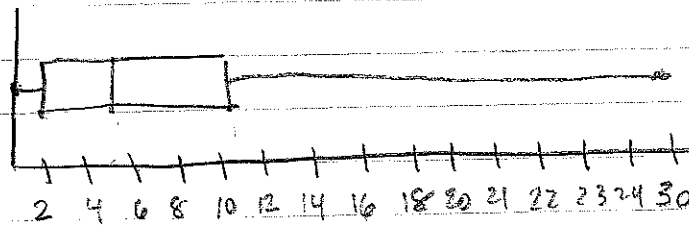
IQR = 7.5

$Q3 = 10.5 \text{ hrs}$

max = 30

$(1.5)(7.5) = 11.25$

$Q3 + 11.25 = 21.75$



anything above this is outlier

(c) about 70th percentile

[67]

min = -34.04255

$Q1 = -2.950258$

max = 58.67769

$Q2 = 3.4691$

$Q3 = 8.4511$

(b) The distribution is roughly symmetric with high and low outliers

(c) Best: \$1586.78 Worst: 659.57

(d) IQR = 11.401 the software appears to be using the rule

Q1) time plot in graphing calc

generally the time trends downward as over the 32 years with sharpest decrease from 1972 to mid 1980's. Since then, time has generally remained steady.

70. 20% of low income } consisted of
33% of high income } 2 people

differences: Low income has a skewed shape to it generally trending down as ~~family size~~ household size increased \rightarrow to decreased

high income households \rightarrow symmetric

low income has majority in 1 person H.H.
high income only has about 7% w/ 1 person H.H.