1 3 .		No.	
	Probability Statistics		
Homework 01		2205 7 为其的复数	
Section	.2	The state of the s	
Ex.II	1		
Stem	leaf	Stem: "H" represents high tens digits.	
9 H 9 L	3 0	"L" represents low tens digits.	
8 H	9987555	leaf: ones digits.	
8 L	443221111100	han homes tost miss (s	
7H	- I gad headreds die	Feature= @ A typical value is "81".	
7 L	44222100	@ There is a gap in "7H".	
6 H	998766	3 The value is not symmetric.	
6 L	430	@ There is any one peak "8L".	
		SIt seems no outlying value ex	
	08/04/2010/10/10/10	P. 14 14 54 520 576 500 400	
Ex.14	Cherry of a bast one	England States and a service of the service	
a.) Stem	Leaf	the second which set of the	
18	. 9	Stem: tens and ones digits	
15	53.00	leaf: decimals digits	
14	63	A crossess of the second	
13	8		
12	73		
11	9995332		
10	8865544432		
9	8876665333332210		
8	84433220		
7	866555554332	21000	
6	99998776665	44433222210000	
. 5.5	, ,		
4	98865310		
3	9877654432		
2	32		
	1 2 4		

11	<b>T</b> .				11 -	-11
b.J	Ihe	typical	flow rate	15	/	. 5 .

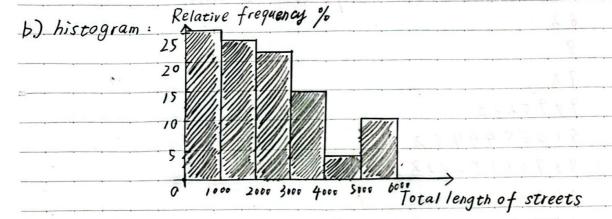
- c.) The display appears to be spread out.
- d) It does not appear to be symmetric actually. It seems like skewed.
- e) "18.93" seems like an outlying data.

a) Stem	leaf	Stem: thousands digit	.12
	850 770 700 320 220	leaf: hundreds digit	HI
4	770 390	160156574	JT
	870 380 350 330 150 150 060	467.899	FLà
	730 700 460 400 400 320 250 1	20 109 100	
	890 850 670 419 320 280 250 2	•	
	960 960 540 530 510 500 450 3		

eatures: DIt seems not very symmetric but kind of skewe.

DIt has only one peak at "O"

3 Seems no outlying value exists.



Proportion: less than 2000: (MANH (1+12)/4] × 100% = 48.9%.

The shape of the histogram is "bimodal" and Kind of positively.

Skewed.

No.	

Section 1.3	4.1 11/12
Ex. 34	440
a.) U = (6.0+5.0+11.0+33.0+4.0+5.0+80.0+18.0+	35.0+17.0+23.0)/11 22155
F = (4.0+19.0+11.0+9.0+9.0+8.0+4.0+20.0+	15.0+8.9+21.0+9.2+3.0+2.0+0.3
/15 = 8.56	C + + = 5 (X1 - X) - 2 - 100 80 0
Comparison: ū is larger than F, which me	eans the environment in farm ,
The state of the s	The engle standard device
as the	(X3) - 1, 2 - 1, 7 - 1, 2 - 1, 1
b.) $\tilde{U} = 17$ , $\tilde{F} = 8.9$ , $\omega$ is still larger the	an F.
Because there exists a extremely large v	
# U/= (6.0+5.0 +11.0+33.0+5.07	18.0+35.0+17.0+23.0)/9=17
F' = (4.0+14.0+11.0+9.0+9.0+8.0+4.0	
trimming per centage: As for urban: (21.55-1	
As for farm: (8.56-8	2.247 18.56 × 100% = 3.73%
The urban's mean trimmed mean is close	
becomes more accurate. As for farm's,	it does change a lot.
1 200 daya's overent in [180, 28.787 "	Lara seems of the compaction
Ex.40	
Sample median: 92	
25% trimmed mean: 94.75	
10% trimmed mean: 102.23	
mean = 119.26	
mean > 10% trimmed mean > 25% trimme	d mean > median
- To the second of the second	



Section 1.4

Ex.44

a) The sample range: 49.3-23.5 = 25.8

Sxx = \(\frac{1}{2}(xi-\bar{x})^2 \approx 443.80 S2 SXX = 49.31

c) The sample standard deviation: 
$$S = \sqrt{S^2} = 7.02$$
  
d)  $Sxx = \sum_{i=1}^{10} (x_i - \overline{x})^2 = \sum_{i=1}^{10} x_i^2 - \left(\sum_{i=1}^{10} x_i\right)^2 \approx 443.80$   
 $S^2 = \frac{Sxx}{10-1} = 49.31$ 

Ex. 56

15 17 19 21 23

lower fourth: 18

ts = 19.9-18 = 1.9

upper fourth: 19.9

1-5-fs = 2.85

largest: 23.78

Ospreadis 1.9

O The data seems to be symmetric. The data's extent is [15.3, 23.78]