

Homework Solutions

Chapter 4 – Page 248

Exercise 29

(a) The back-to-back stem-and-leaf display:

On-time Arrivals		On-time Departures
6 4	75	
0	76	
8 1 0 0	77	
	78	
6	79	
1	80	8
5 2 1 1	81	
5	82	
1	83	3 9 1 8
9 1	84	3
8	85	7 7
4 0	86	6 1 5
9	87	0 6
	88	6 7 9
	89	0 8
3	90	
	91	
	92	6

- (b) The on-time arrivals are centered around 81% or 82%. The on-time departures are centered around 86%. The on-time departures show slightly less variability than do the on-time arrivals. There may be two departures that are outliers. There is one arrival that may be an outlier.
- (c) They perform better with respect to on-time departures. We can see that because the percentages of on-time departures are generally higher than the percentages of on-time arrivals.