

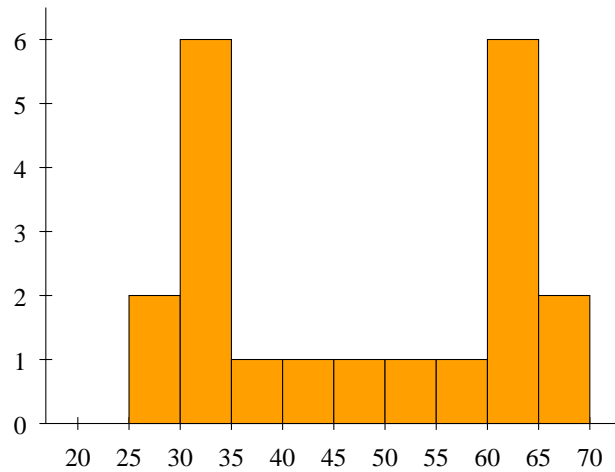
## Homework Solutions

### Chapter 4 – Page 259

#### Exercise 36

(a) This includes all but the first two classes. The counts are 5, 5, 3, and 2, so the total is 15.

(b)



(c) Symmetric, unimodal.

(d) Symmetric, bimodal.

(e) (i) It is two-sided.

(ii) Use the Plant A picture ( $H_0$ ). Use values  $\leq 35$  and  $\geq 55$ . We get  $p$ -value =  $\frac{4}{20} = 0.20$ .

(iii) Accept  $H_0$  because the  $p$ -value is greater than  $\alpha$ .