January 12, 14 (Appendix)
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### 1.1 Sample Shirt Data

This data is coming from a clothing store where 20 random men's shirts were sampled by randomly picking UPCs from the inventory database.

| price | weight | size | color |
| :--- | :--- | :--- | :--- |
| 24.41 | 7.37 | L | blue |
| 24.33 | 4.54 | M | multi |
| 21.23 | 4.08 | S | multi |
| 19.05 | 7.44 | M | blue |
| 16.27 | 5.04 | M | blue |
| 13.54 | 5.78 | XXL | red |
| 21.09 | 14.60 | M | multi |
| 19.43 | 8.54 | L | brown |
| 16.62 | 12.82 | XL | black |
| 17.95 | 7.67 | L | red |
| 10.99 | 6.06 | XL | black |
| 17.64 | 12.57 | XL | multi |
| 19.82 | 27.80 | M | multi |
| 20.86 | 4.76 | M | red |
| 15.13 | 4.33 | M | multi |
| 19.31 | 13.20 | XXL | multi |
| 20.02 | 15.52 | L | green |
| 25.61 | 28.40 | S | green |
| 21.30 | 13.34 | S | red |
| 28.27 | 8.31 | M | black |

Histogram of shirts\$price


Histogram of shirts\$weight


| price | weight | size | color |
| :---: | :---: | :---: | :---: |
| Min. $: 10.99$ | Min. $: 4.080$ | $\mathrm{~S}: 3$ | black:3 |
| 1st Qu.:17.39 | 1st Qu.: 5.595 | $\mathrm{M}: 8$ | blue $: 3$ |
| Median $: 19.62$ | Median $: 7.990$ | $\mathrm{~L}: 4$ | brown:1 |
| Mean :19.64 | Mean $: 10.608$ | XL $: 3$ | green:2 |
| 3rd Qu.:21.25 | 3rd Qu.:13.235 | XXL:2 | multi:7 |
| Max. :28.27 | Max. :28.400 |  | red $: 4$ |

