

1.1 Types of Data, Presenting Data

What are the different kinds of data?

- Categorical
- Discrete
- Continuous

Displaying Categorical Data

- Vertical or Horizontal Bar Graph
- Pie Chart
- Segmented Bar Chart

Organizing Discrete Numerical Data

- Frequency table
- Dot plot
- Stem and leaf plot

Ex 1 Organize this data into a stem and leaf plot:

9, 11, 17, 23, 24, 26, 26, 27, 28, 31, 32, 33, 35, 35, 36, 38, 39, 42, 43, 44, 47, 49, 51

You can group two sets similar data in back to back stemplots.

Ex 2 A swimming squad recorded the times of the latest 100m freestyle practice.

Girls: 35.3, 34.7, 38.6, 36.8, 34.6, 36.8, 36.3, 37.6, 37.7, 36.3, 34.3, 35.7, 35.4, 37.6, 35.8, 37.6, 32.4

Boys: 36.8, 32.1, 33.2, 36.7, 33, 34.1, 34.4, 35, 35.7, 35.9, 34.4, 35.9, 36.8, 33.7, 34.3, 35.4, 33.2, 37, 34.8, 35.2

Outliers: A data entry that is significantly removed from the rest of the data.