

Statistics

| Graphical Summary [Stem-and-Leaf]

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| Graphical Summaries

- The mean, median, and standard deviation are **numerical summaries** of a sample or of a population.
- **Graphical summaries** are used as well to help **visualize a list of numbers**

| Stem-and-Leaf

- The **graphical summary** that we will discuss first is the stem-and-leaf plot.
- A **stem-and-leaf plot** is a simple way to summarize a data set.
- A stem and leaf plot displays numerical data by **splitting each data point** into a "**leaf**" (usually the **last digit**) and a "**stem**" (the **leading digit or digits**).

| Stem-and-Leaf

- A stem and leaf is a table used to display data. The '**stem**' is on the left displays the **first digit or digits**. The '**leaf**' is on the right and displays the **last digit**.
- For example, 543 and 548 can be displayed together on a stem and leaf as 54 | 3,8