

Name \_\_\_\_\_ Date \_\_\_\_\_

**Data Management**  
**Unit 1 Line Master 14**

## The Well-Chosen Average

(adapted from "How to lie with statistics" by Darrell Huff, 1954)

You are looking to buy a new house in a nice neighbourhood. While walking through your dream house, the real estate agent tells you that the average income in this neighbourhood is nearly \$150 000 a year.

A month after you move in, a neighbour brings over a petition opposing a proposed property tax hike. They explain that the average income in this neighbourhood is only \$35 000 a year. You are a little confused. Just last month you were told that the average income in this neighbourhood was \$150 000.

### Is someone lying?

Here are the data from the surrounding houses.

Family	Yearly income (\$)
Family A	1 000 000
Family B	225 000
Family C	80 000
Family D	60 000
Family E	40 000
Family F	30 000
Family G	20 000
Family H	20 000
Family J	15 000
Family K	10 000



**Find the mean, median, and mode of the yearly income.**

Mean:

Median:

Mode:

**What do you think happened?**