

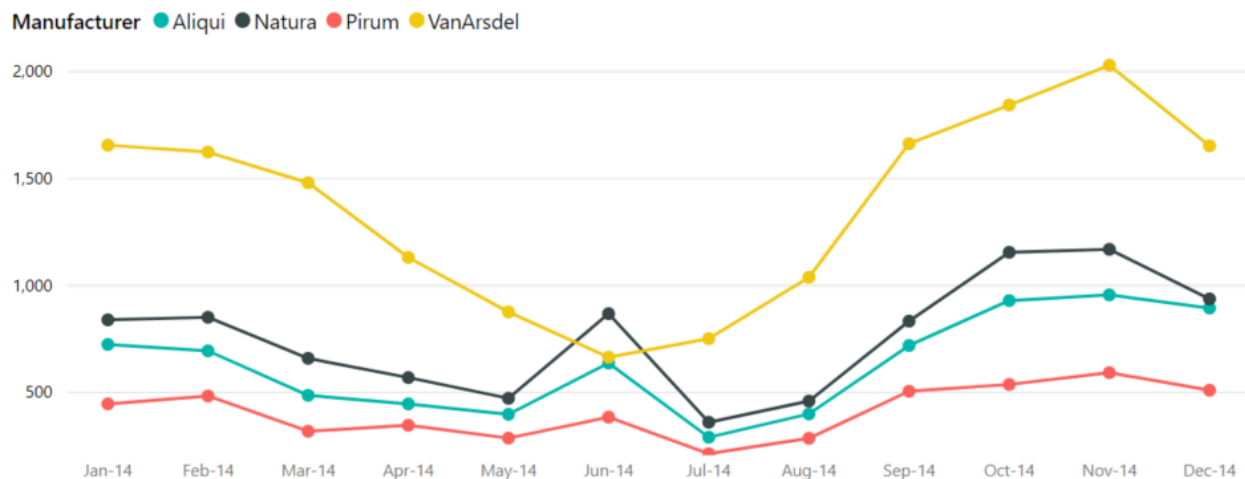
## What is a Line Chart?

A line chart (or line graph) is a type of chart that displays information as a series of **data points** called "markers" connected by **straight lines**. It is one of the most common and effective ways to visualize trends over **time** or across **ordered categories**.

Line charts are ideal for showing:

- Trends over time (e.g., stock prices, temperature, sales)
- Changes in data continuously over intervals
- Comparisons between multiple datasets

Total Units by Month and Manufacturer



## Types of Line Charts

### 1. Simple Line Chart

- One dataset shown with one line.

### 2. Multiple Line Chart

Compares two or more datasets on the same axis.

## Applications of Line Charts

### 1. Business & Finance

- Sales performance over months
- Stock price trends
- Revenue growth vs. expenses

### 2. Science & Research

- Temperature change over time
- Experimental measurements
- Growth of bacteria or chemical reactions

### 3. Healthcare

- Patient vital signs over time (heart rate, BP, etc.)
- Disease progression
- Medication effect tracking

### 4. Education

- Student performance across exams
- Class attendance trends
- Research result tracking

### 5. Technology & Engineering

- System performance (CPU usage, network traffic)
- Sensor readings over time
- Software version usage trends