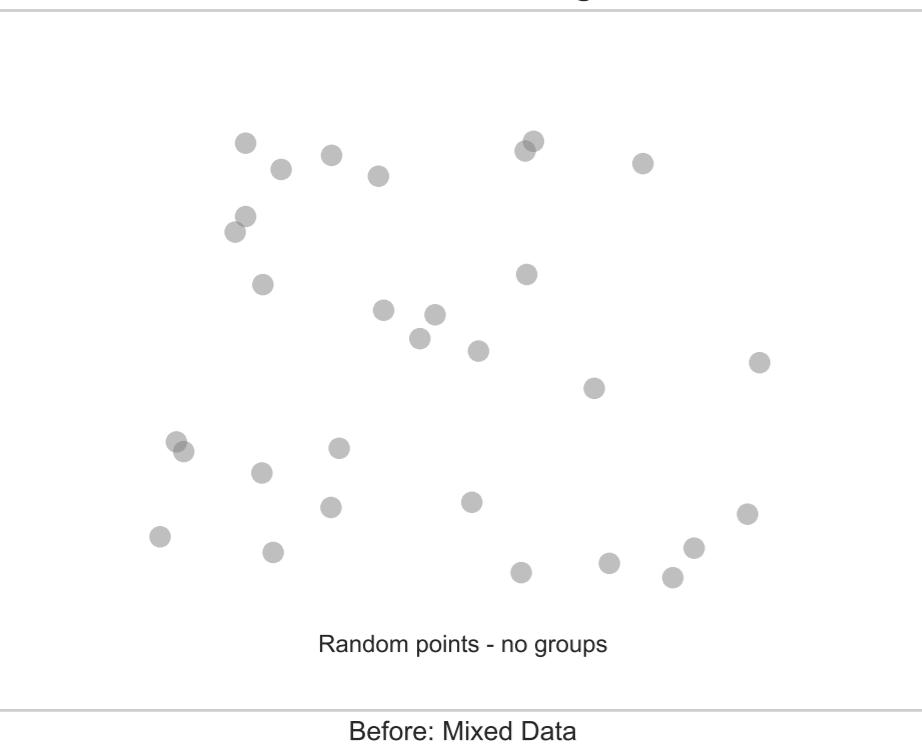


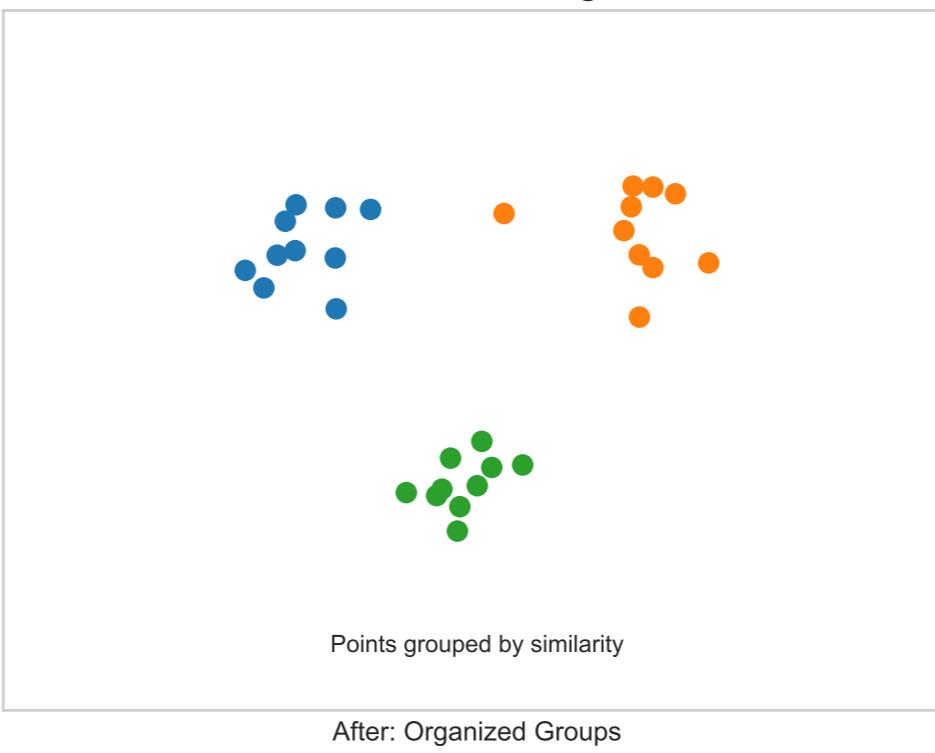
# Clustering: Finding Groups in Data (No Math Required!)

A Visual Introduction for Beginners

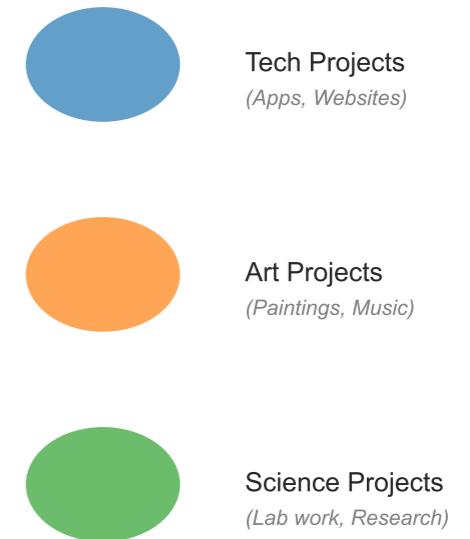
## What is Clustering?



## After Clustering



## Example: Student Projects

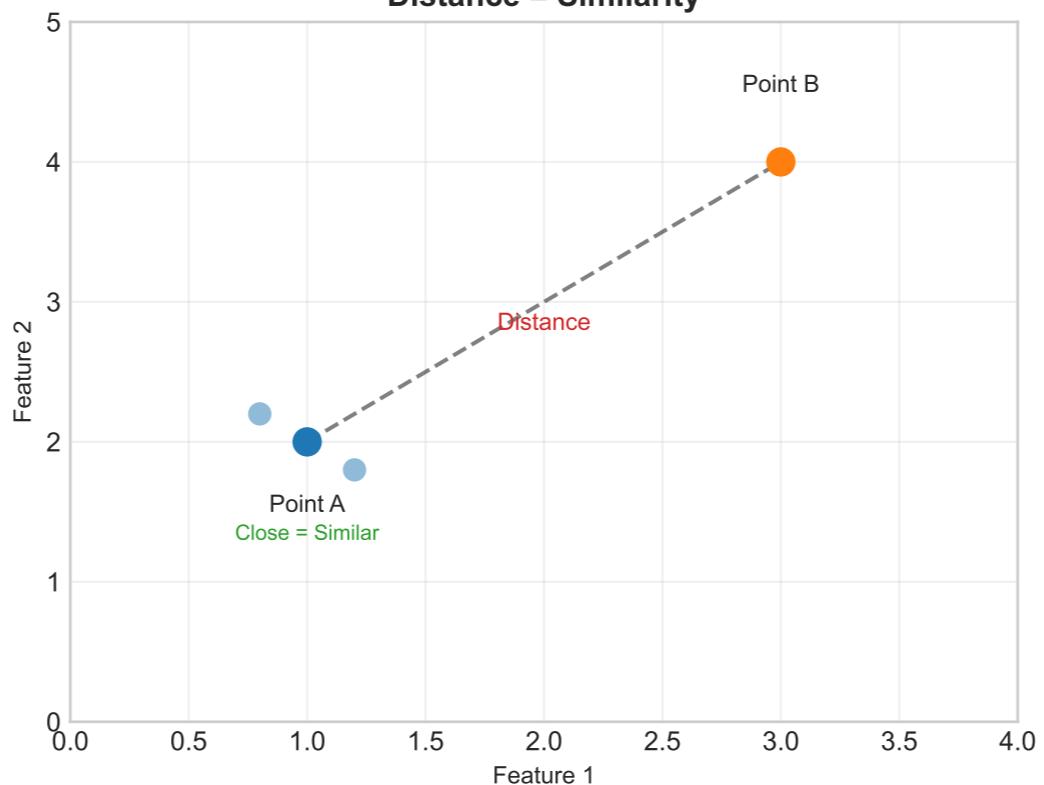


## How Computers See Data

Item	Feature 1	Feature 2
A	3.2	1.5
B	3.1	1.6
C	8.5	7.2
D	8.7	7.1

Similar numbers = Same group

## Distance = Similarity



## Clustering Process

1. Start with data points
2. Measure distances
3. Find close neighbors
4. Form groups
5. Check if good groups
6. Done!