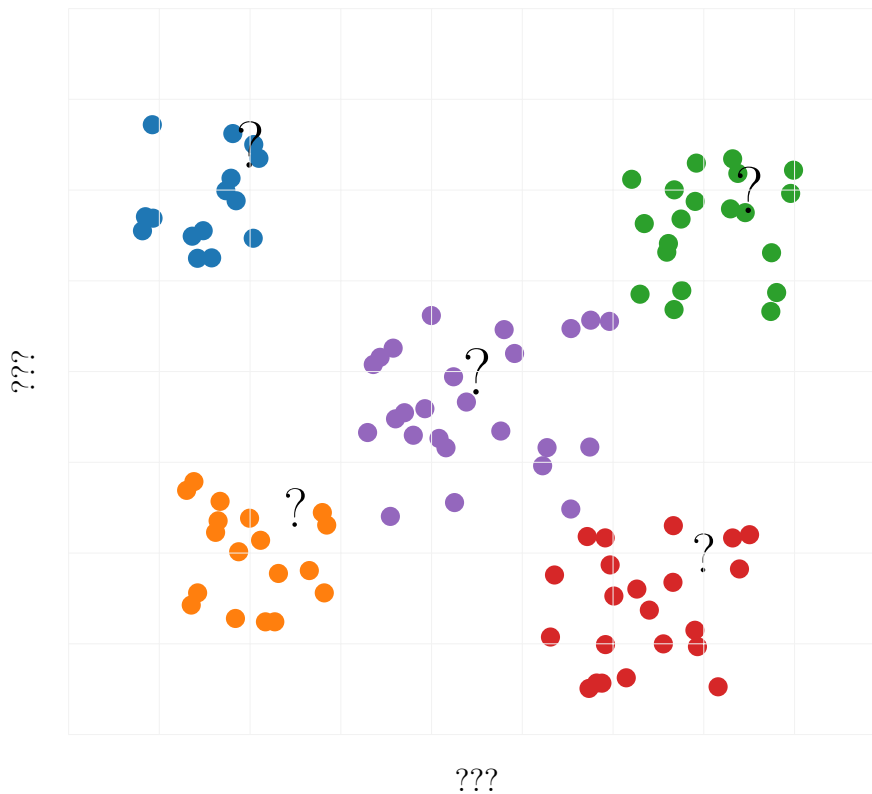


## Discovery 1: Pattern Hunters

Find the Hidden Groups

Look at This



Draw circles around the groups you see

Now Think

Why did you group them that way?

What if the colors meant nothing?

What if position was random?

How many different ways could you group these dots?

## Real World



**Your Brain**  
Groups things naturally  
But can only handle ~30 items at once



**Machine Learning**  
Can group millions instantly

## Discovery Challenge

Find 3 examples where you naturally group things:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

**What would break if these groups didn't exist?**

**Next Class:** Learn how computers find patterns in chaos