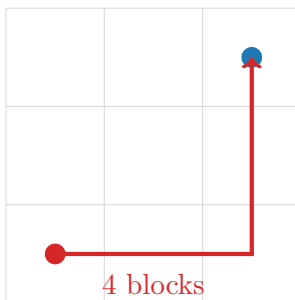


Discovery 4: Distance Matters

How Do You Measure “Close”?

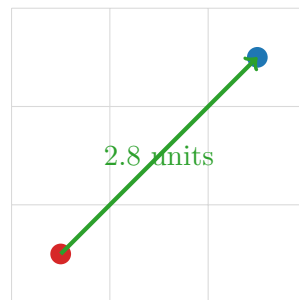
Three Ways to Measure Distance

City Blocks



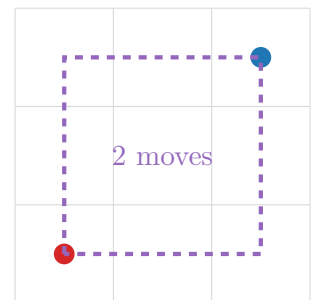
Walk on streets

Straight Line



As crow flies

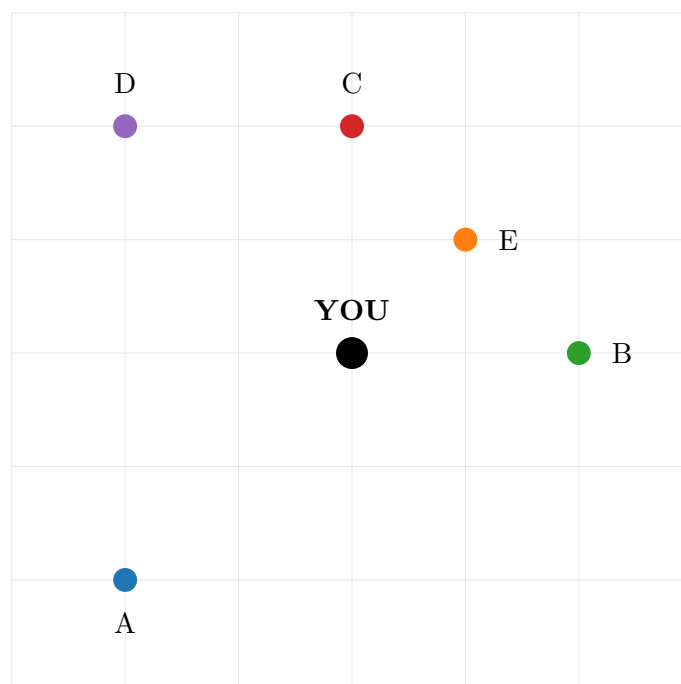
Chess King



Biggest gap

Same points. Different distances. Different groups!

Your Turn: Who's Closest?

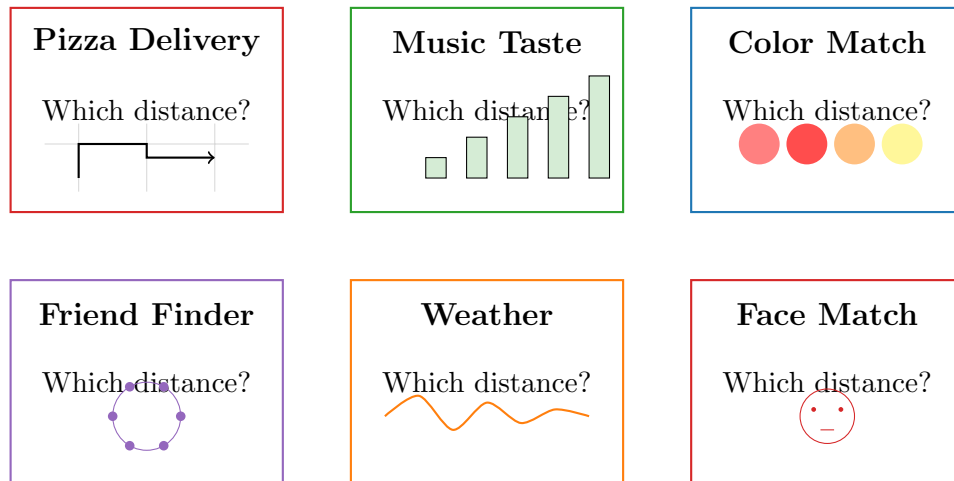


Using City Blocks: _____ Closest: _____ Farthest: _____

Using Straight Lines: _____ Closest: _____ Farthest: _____

Using Biggest Gaps: _____ Closest: _____ Farthest: _____

Real World: When Distance Type Matters



Discovery Challenge

Draw your most-used apps as dots
Closer = More similar (you choose how!)

Your Phone Apps

What makes two apps “close” to you?

Next Class: How ML picks the right distance automatically