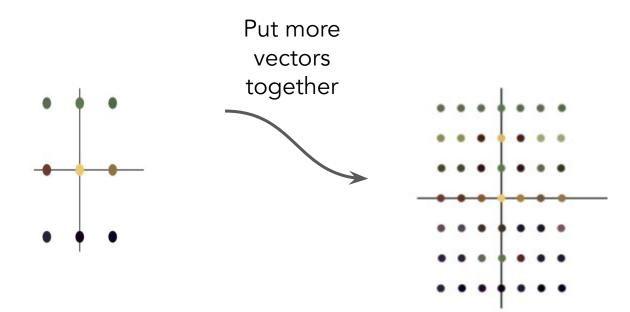
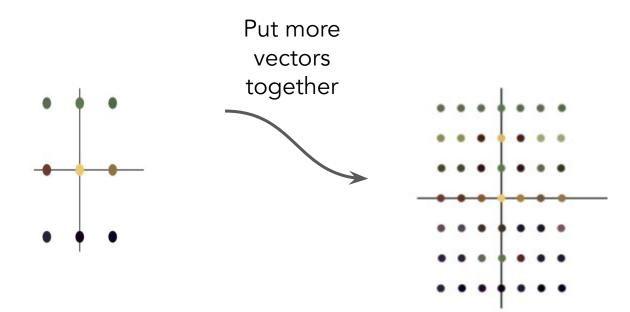
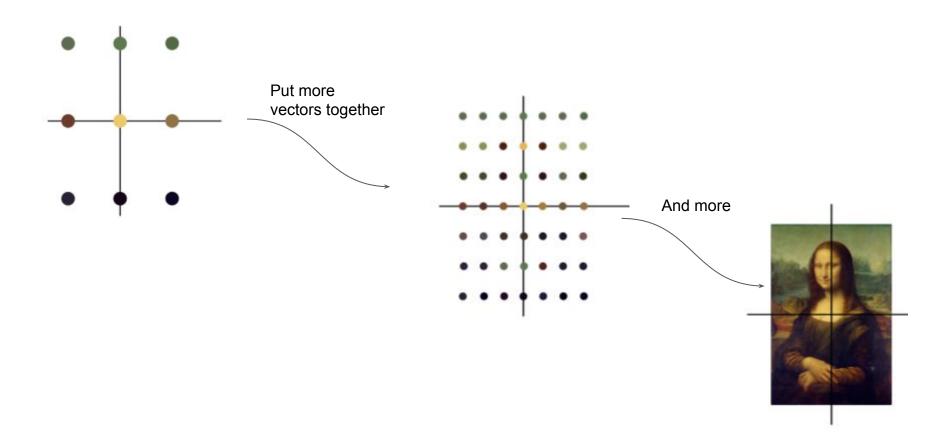
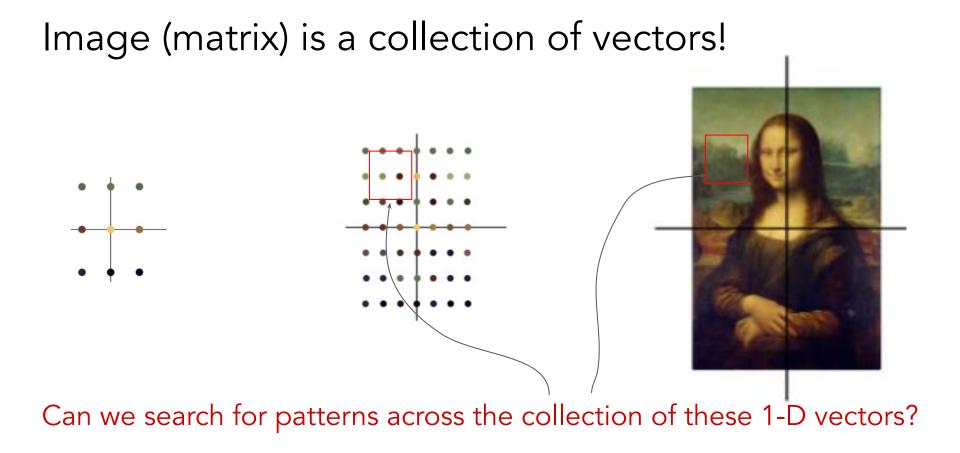


Source: Adapted from Peter Bloem https://peterbloem.nl/blog/pca-2









Can we search for patterns across the collection of these 1-D vectors?

2D Fourier transforms and applications

https://www.robots.ox.ac.uk/~az/lectures/ia/lect2.pdf

We will cover the material from the above slide deck shared by Prof. A. Zisserman

Lecture 2: 2D Fourier transforms and applications

B14 Image Analysis Michaelmas 2014 A. Zisserman

Fourier transforms and spatial frequencies in 2D

- · Definition and meaning
- The Convolution Theorem
 - Applications to spatial filtering

The Sampling Theorem and Aliasing

Much of this material is a straightforward generalization of the 1D Fourier analysis with which you are familiar.

Let's go to the slidedeck

