

Typeface SPACE

Sam Magid, Thesis Proposal (Spring 2025)

Times New Roman

Courier New

Futura

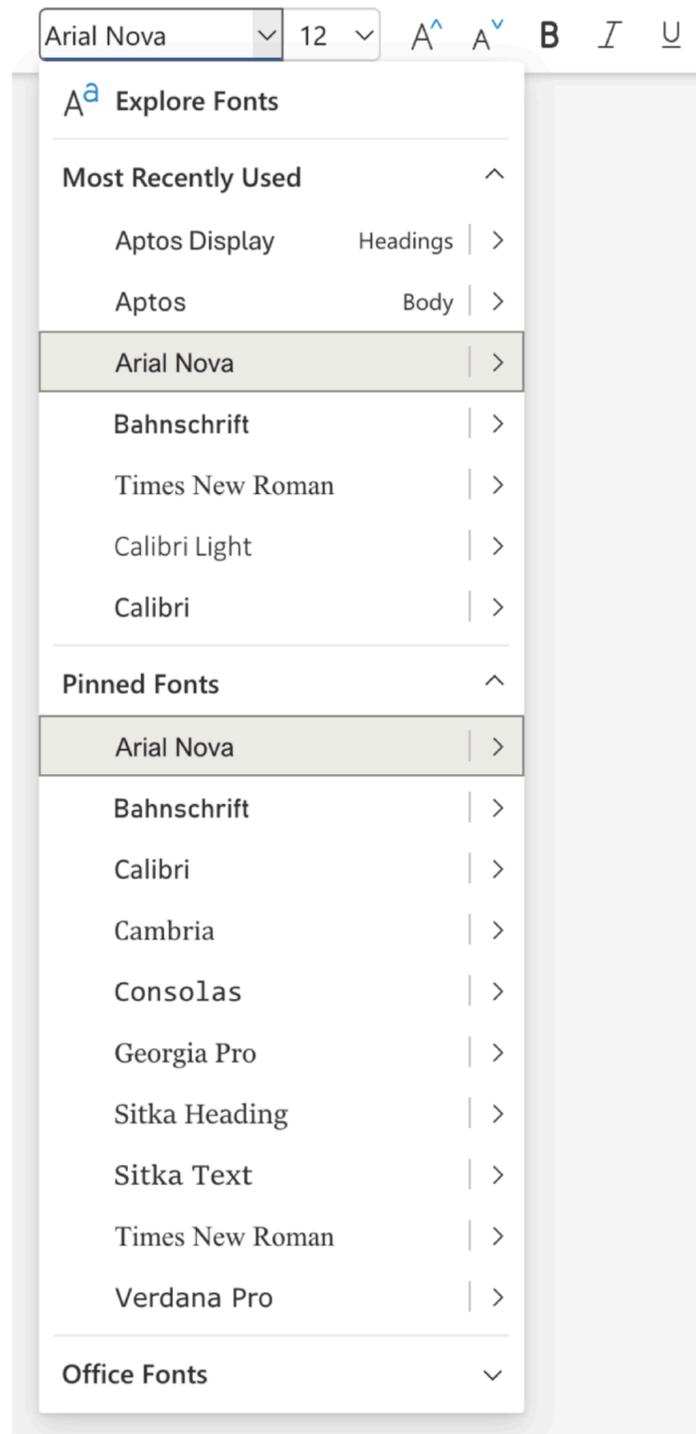
typeface: a collection of characters in a consistent style

Papyrus

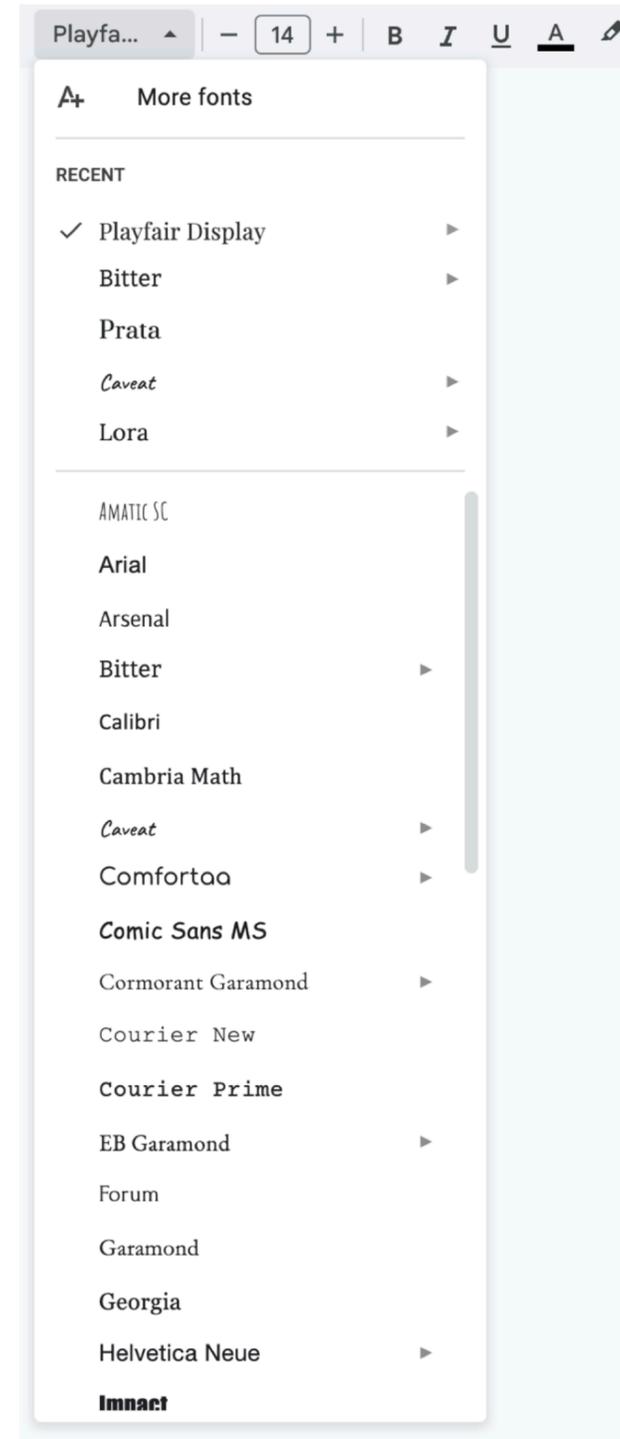
Georgia

Comic Sans

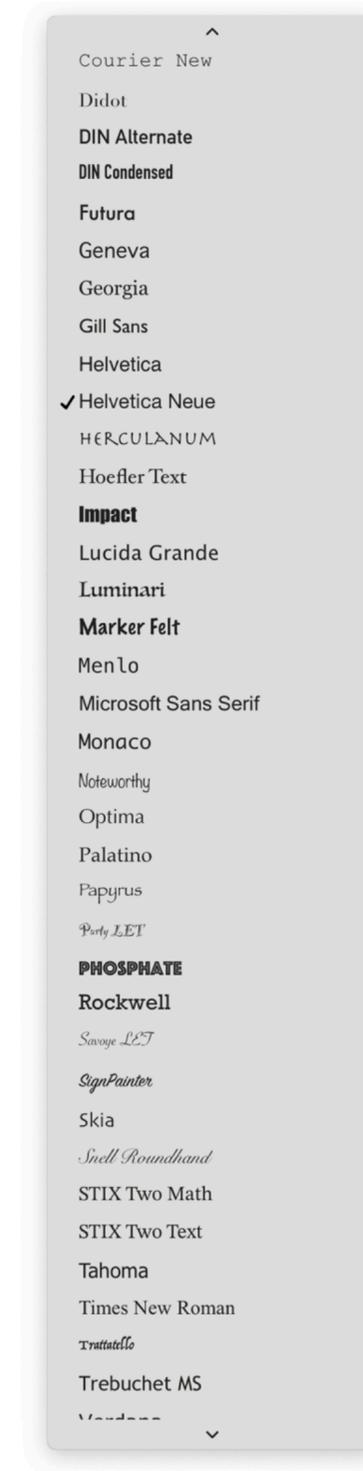
issue: there are a *lot* of typefaces, and not many good ways to choose between them



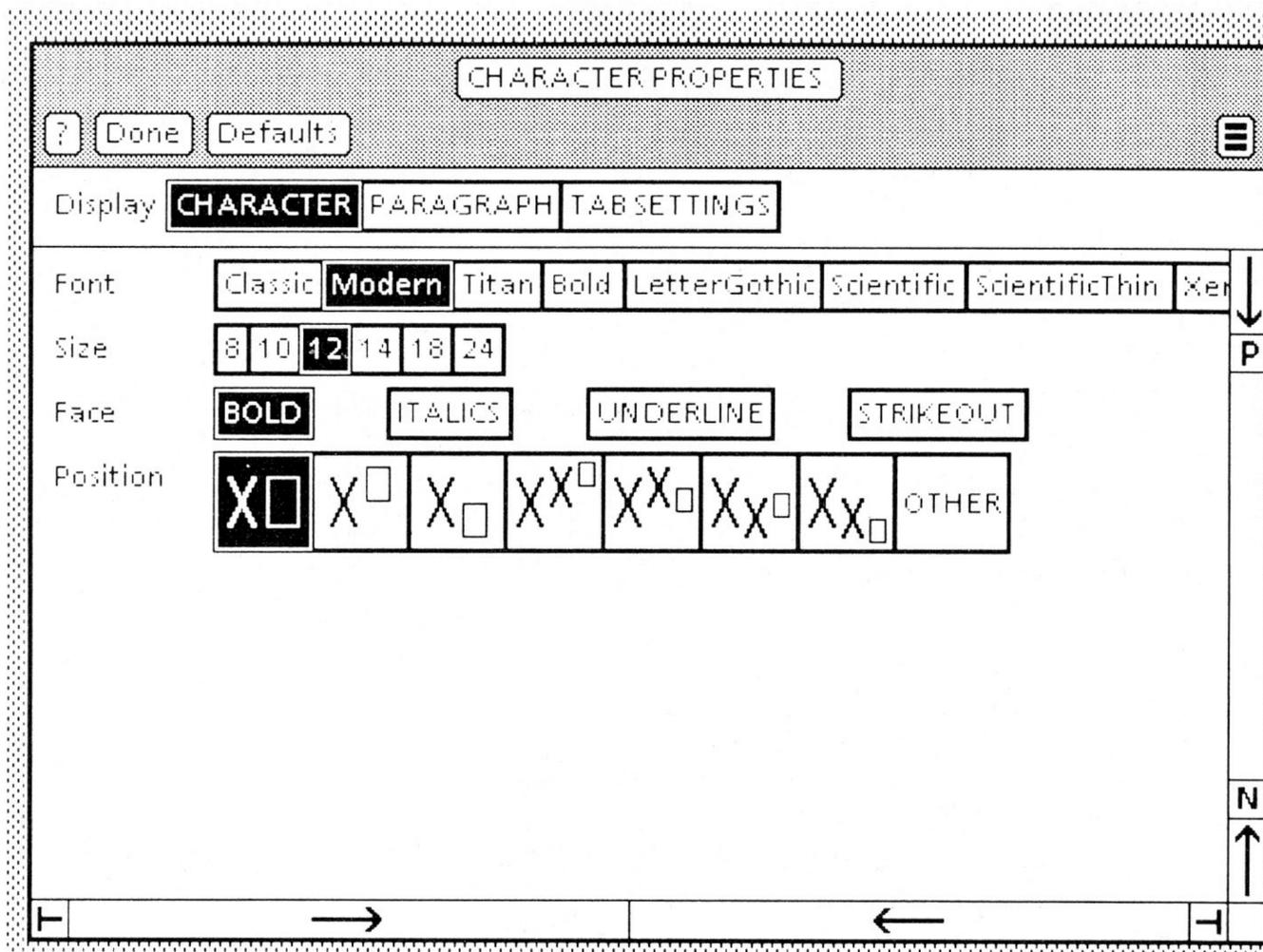
Microsoft Office



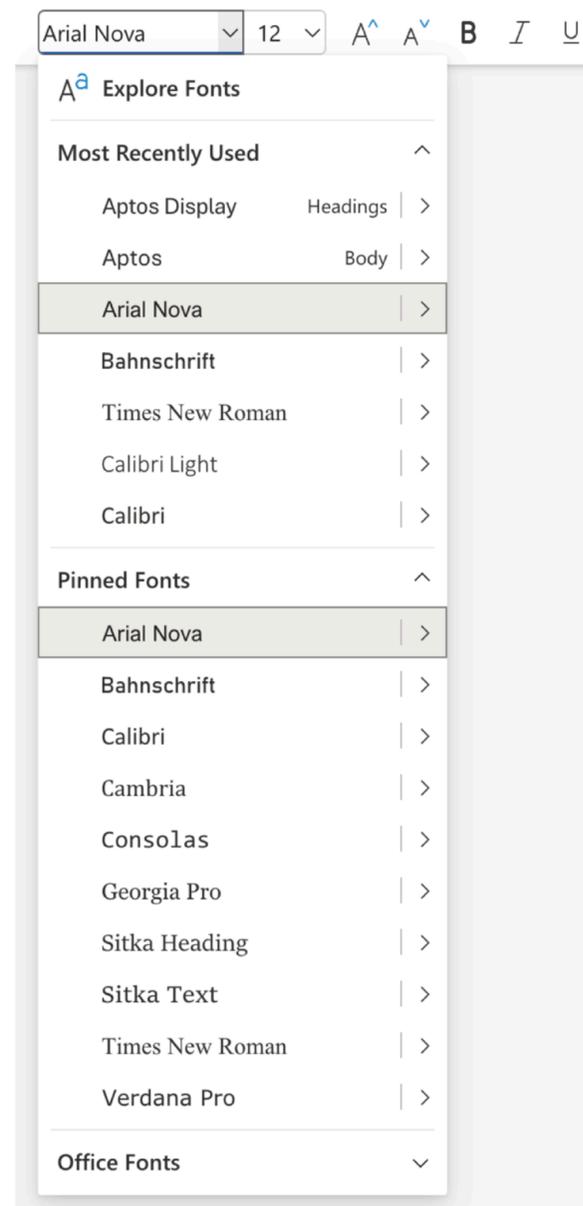
Google Docs



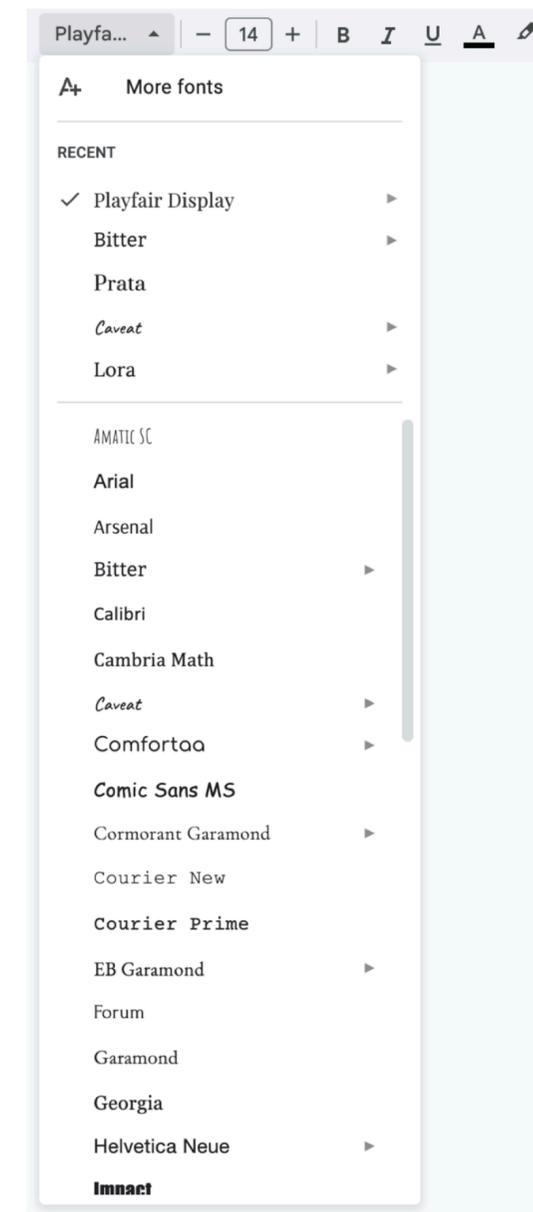
Apple Pages



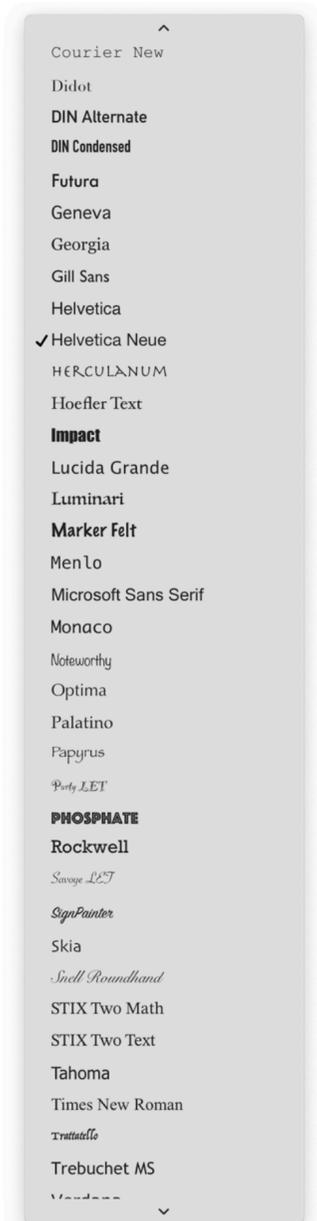
Xerox Star (1981)



Microsoft Office



Google Docs

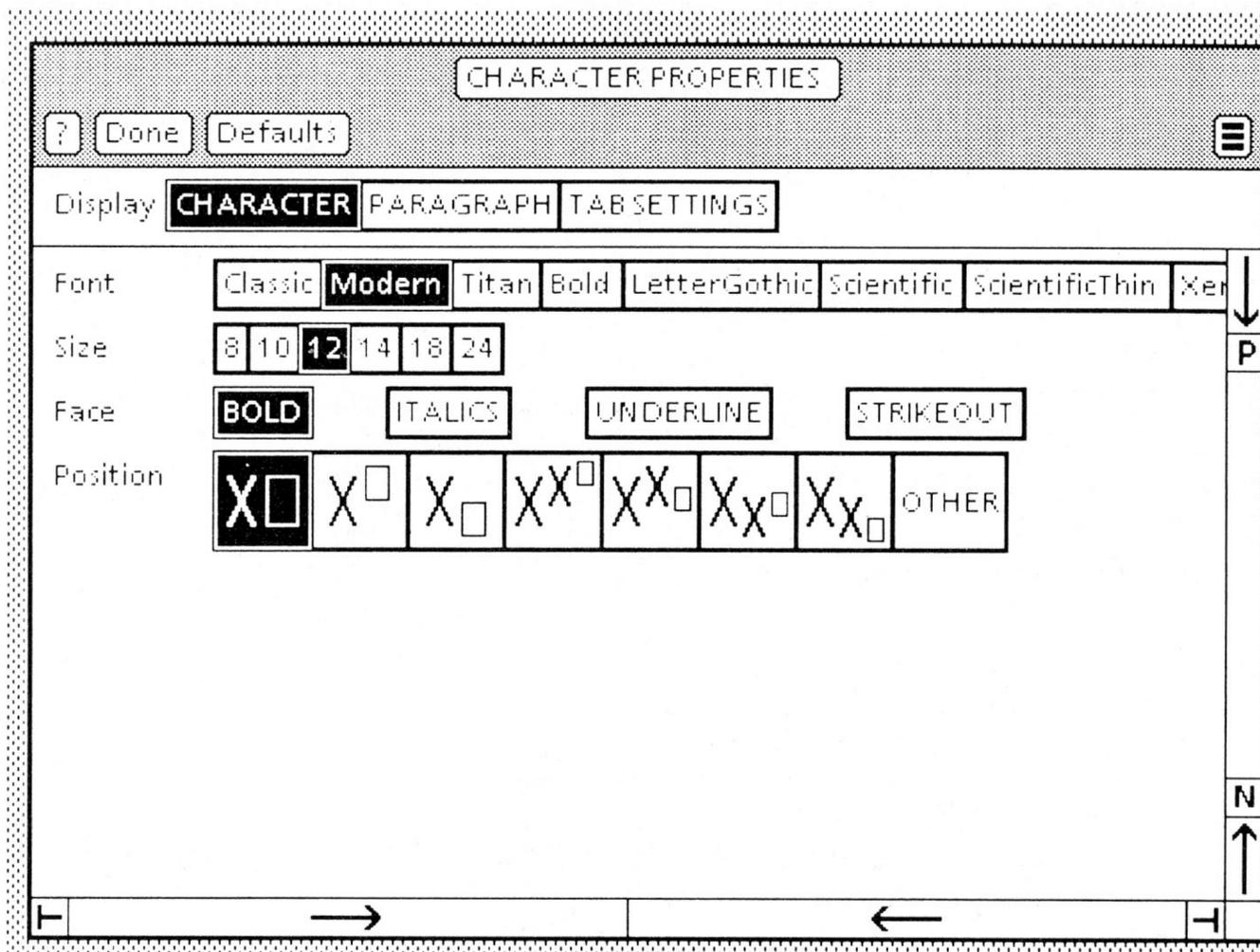


Apple Pages

background

my work

going forward



Xerox Star (1981)

>700

>1700

64

Microsoft Office

Google Docs

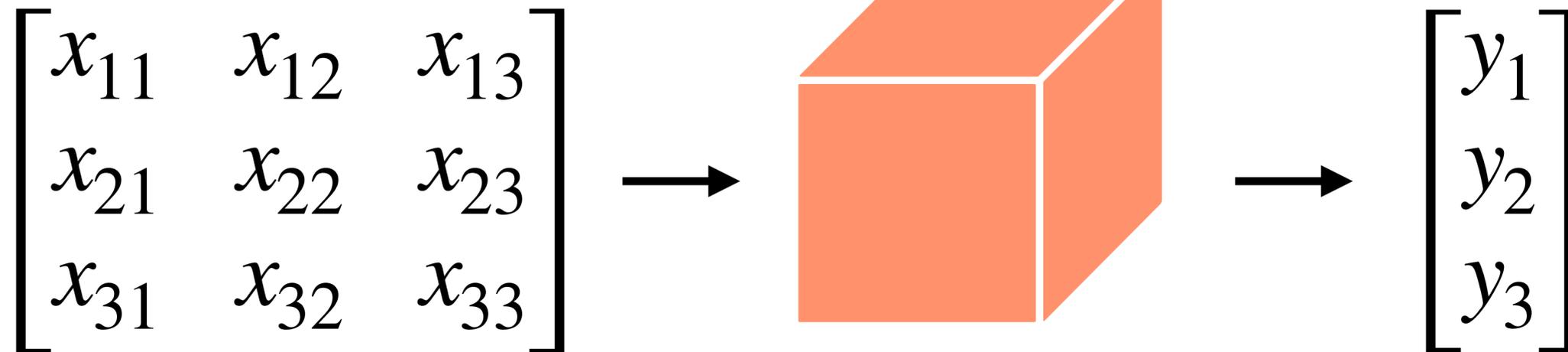
Apple Pages

hypothesis: neural networks might help create useful
user font selection tools

neural network: a series of matrix multiplications* trained to produce a desired output from given input data

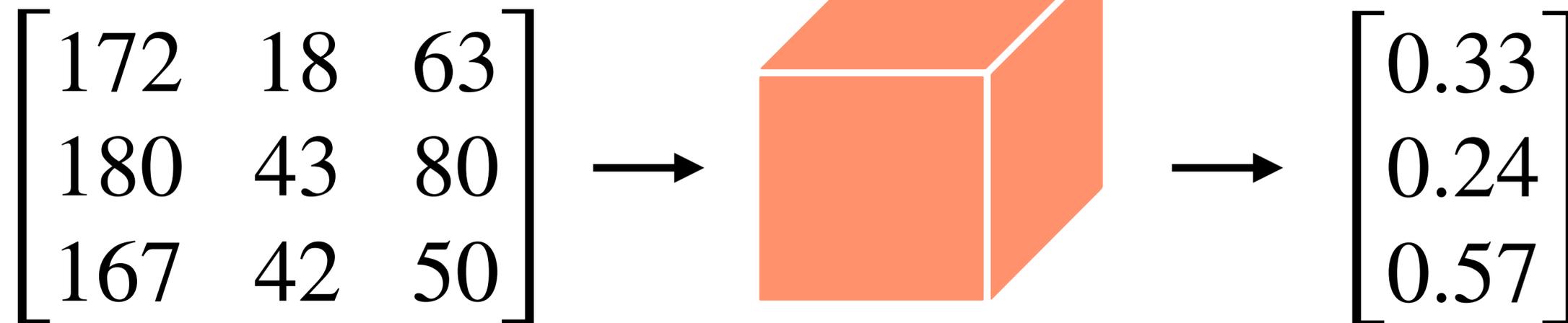
*and non-linear functions

neural network: a series of matrix multiplications* trained to produce a desired output from given input data



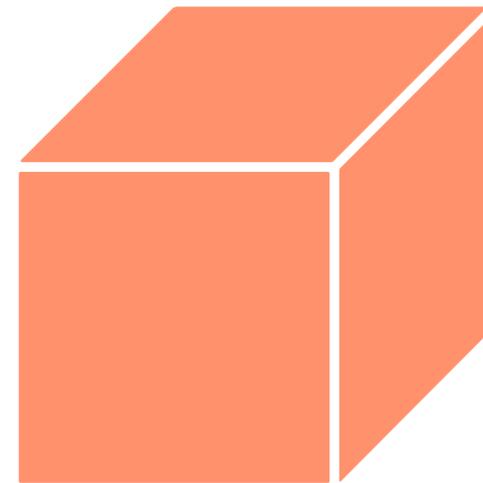
*and non-linear functions

neural network: a series of matrix multiplications* trained to produce a desired output from given input data



*and non-linear functions

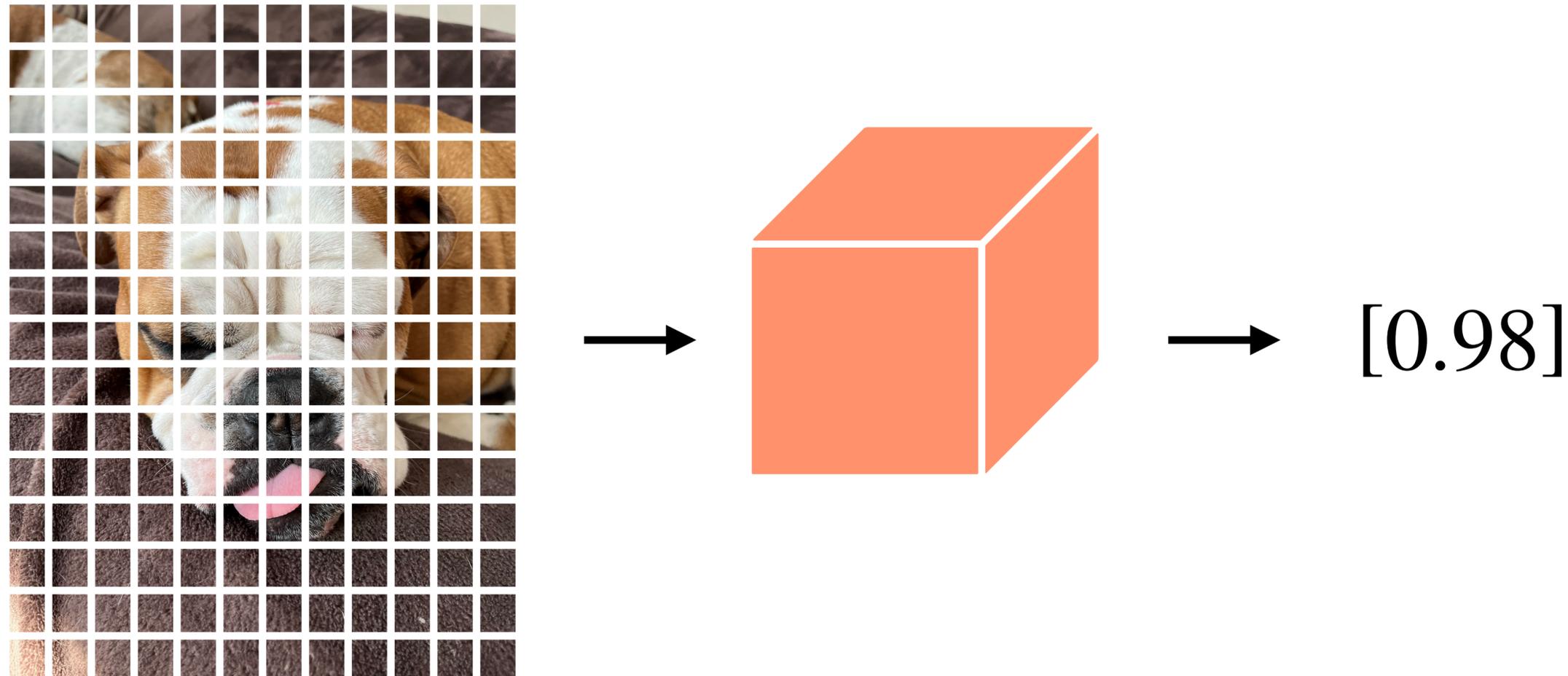
neural network: a series of matrix multiplications* trained to produce a desired output from given input data



[0.98]

*and non-linear functions

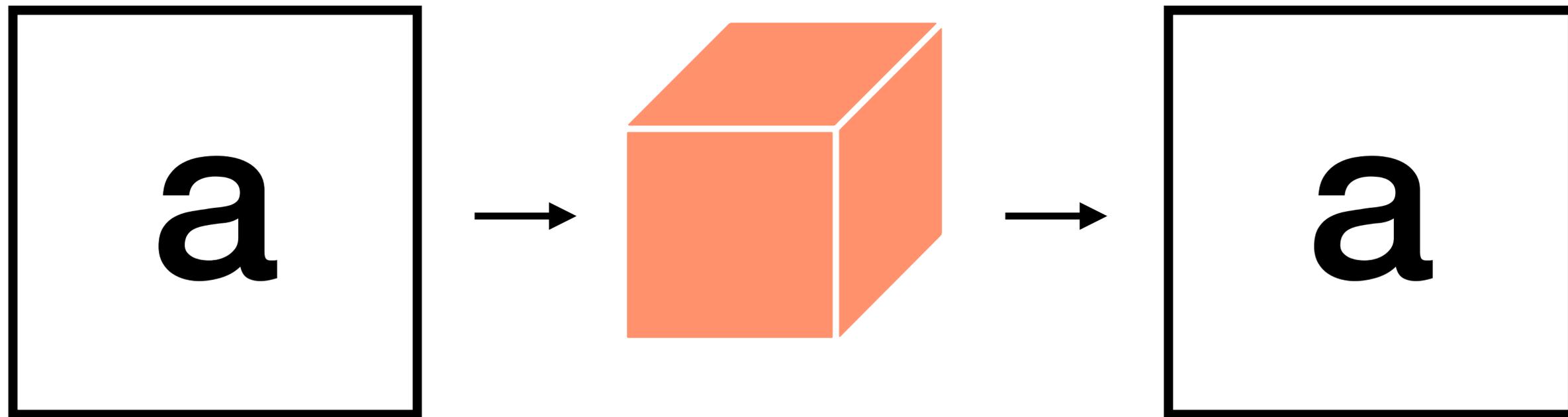
neural network: a series of matrix multiplications* trained to produce a desired output from given input data



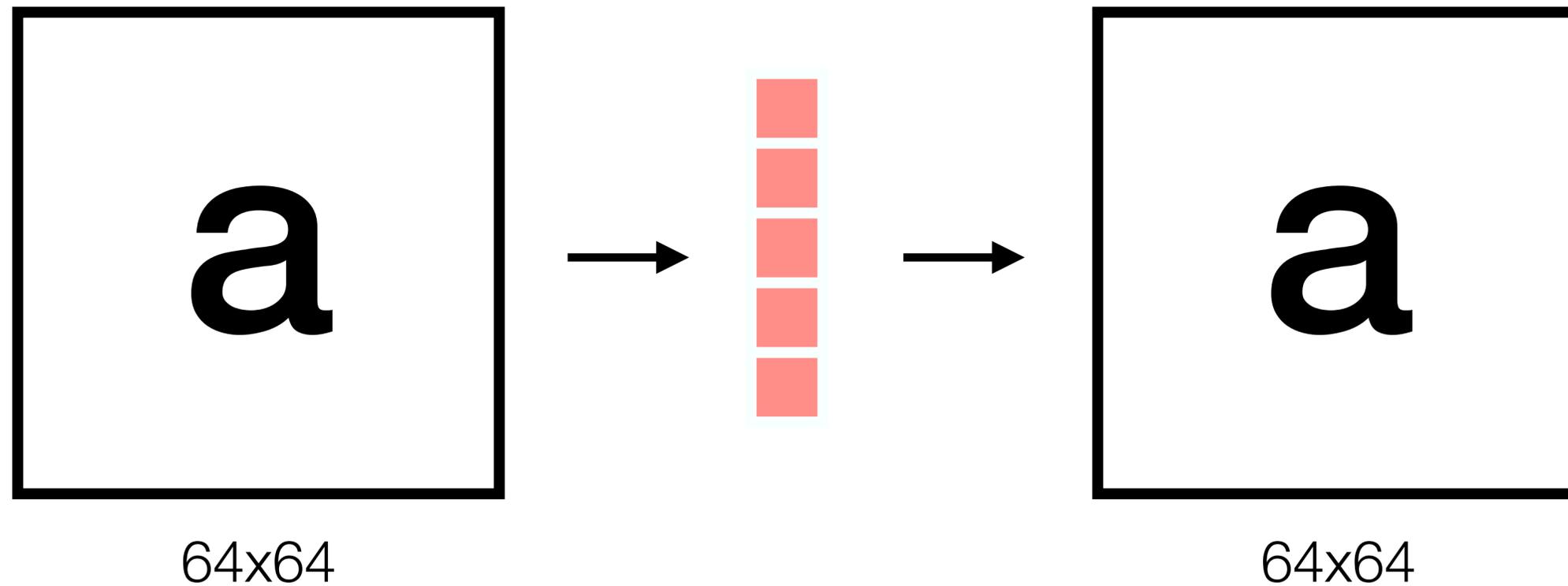
*and non-linear functions

neural networks can also *distill* information

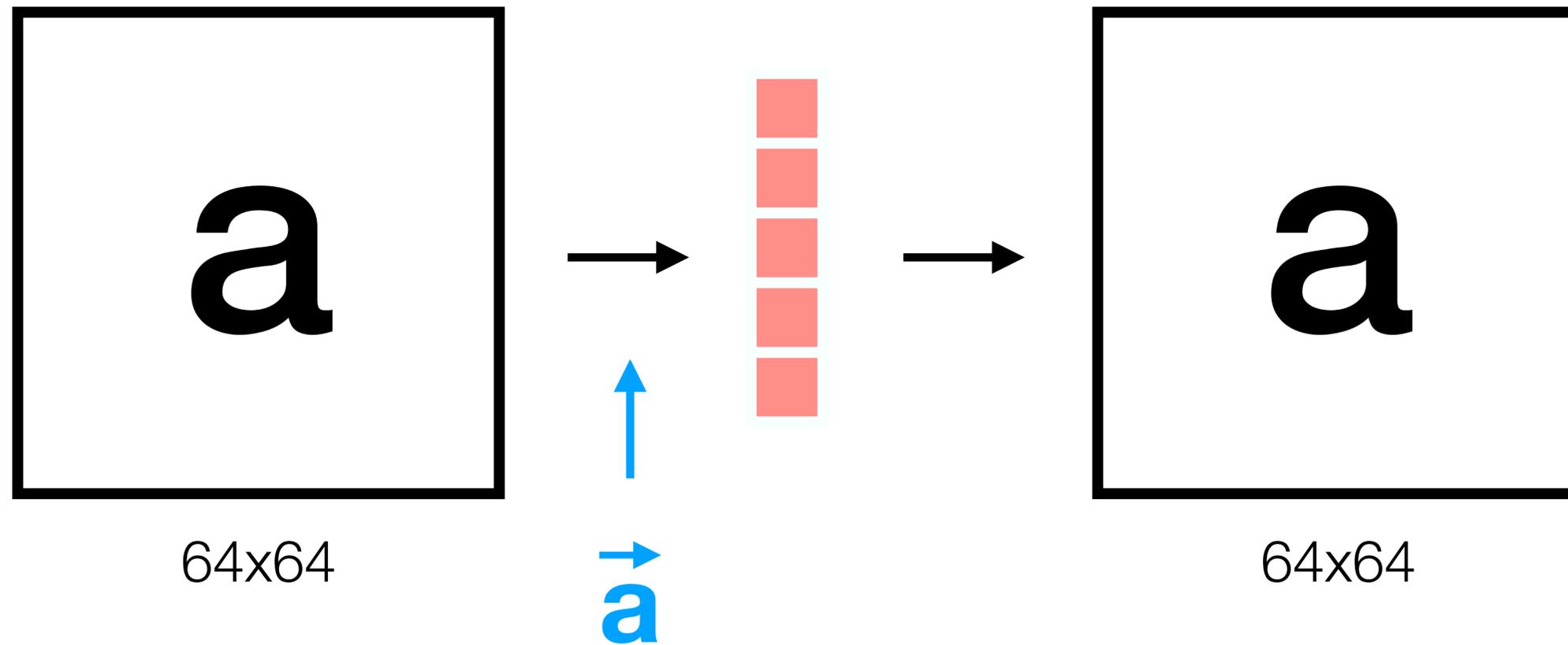
neural networks can also *distill* information



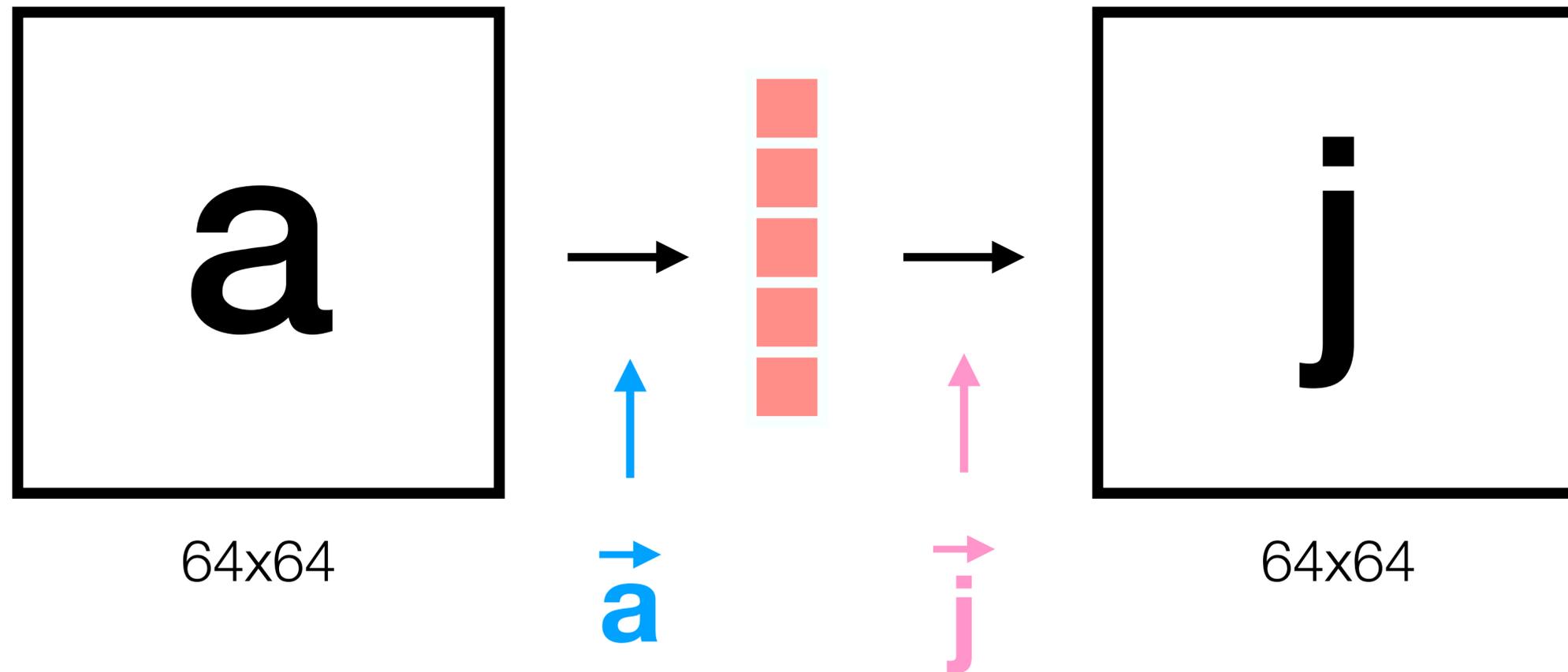
neural networks can also *distill* information



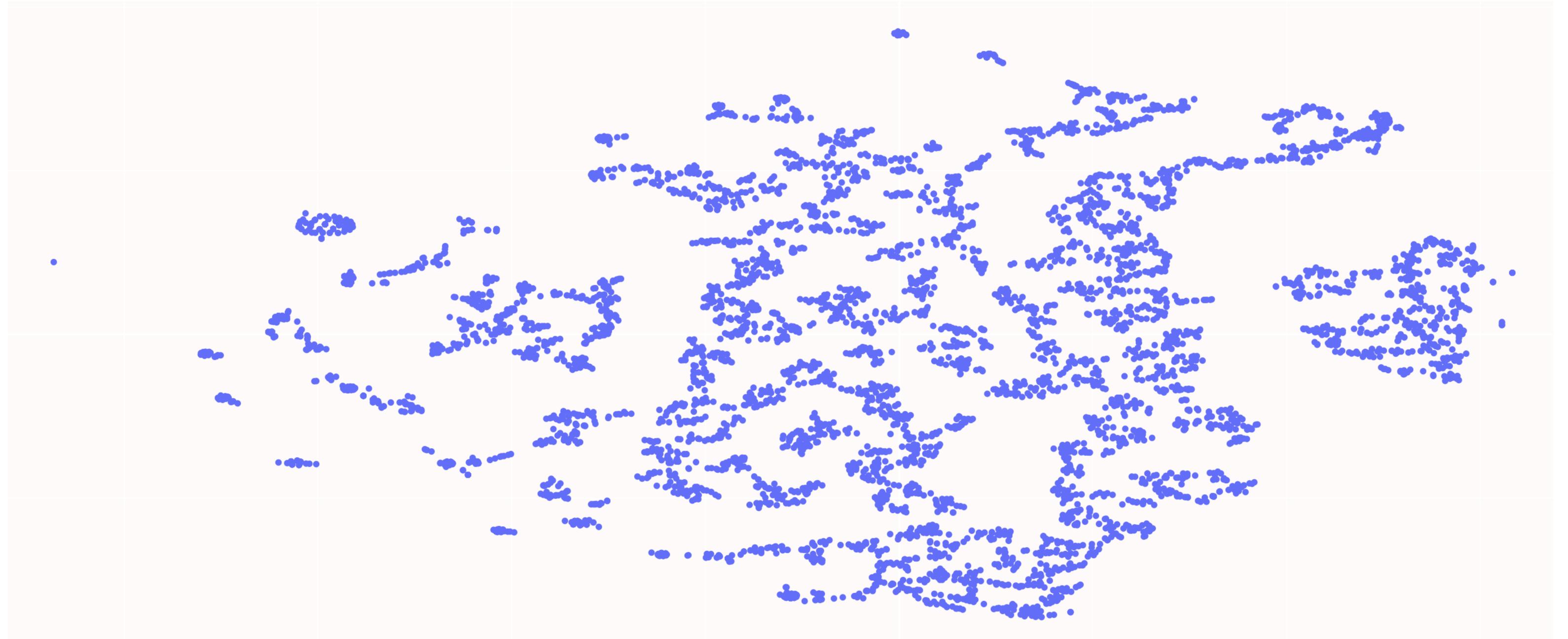
neural networks can also *distill* information



neural networks can also *distill* information



neural networks can also *distill* information



background

my work

going forward

improve model

user tools

what's next?

evaluation

actually writing my thesis