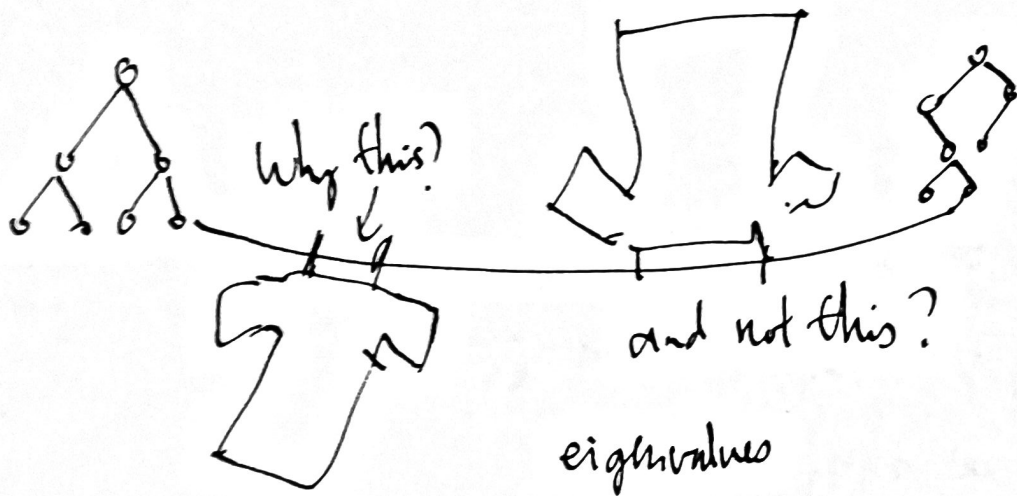


What makes these 3 different? eigenvalue



test docs.

count words

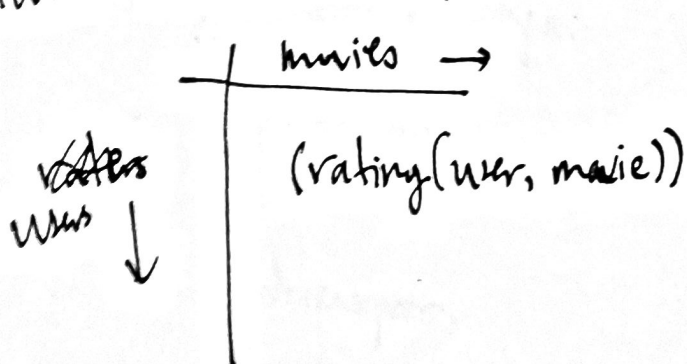
conclude
puppy \approx dog

eigenvector

sibilance : 7kHz ~~~~~

How to kill hissing? eigenvalue

Have Netflix ratings



identify movie
genres
eigenvector

eigenvalue:

λ is an eigenvalue of A for eigenvector v

if $Av = \lambda v$ trivial if $v \neq 0$.
(eigenvectors $\neq 0$)

$$(A - \lambda I)v = 0$$

λ is an eigenvalue of A

\Leftrightarrow
 $(A - \lambda I)$ is not of full rank

1) write a system of equations

$$(A - \lambda I)v = 0$$

\uparrow solve for v

2) magic function det

$$\det(A - \lambda I) = 0$$