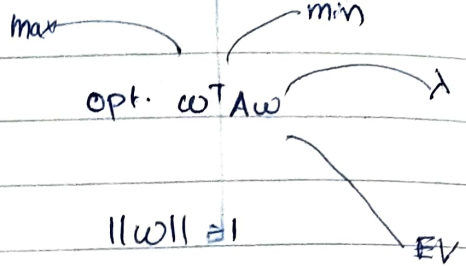
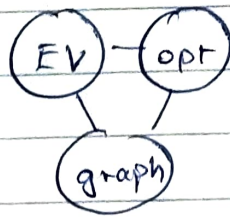
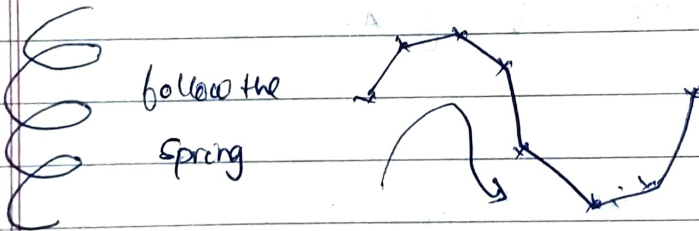


OPTIMIZATION FOR ML-1

w is the EV of A .

(5) $\max. \frac{w^T A w}{w^T w}$ set $w^T w = 1$

"on the manifold" $d(x_i, x_j) = \text{Shortest path b/w } x_i, x_j$.



measure distance

nearest points within a distance circle.

find y_1, \dots, y_n on 2D. st. $d(y_i, y_j) \approx d(x_i, x_j)$

on wrap paper. $\hat{=}$ popular in data visualization.

$$\min |d(y_i, y_j) - d(x_i, x_j)|$$

see higher dimension ^.

push \rightarrow build \rightarrow .min (cli) \rightarrow generated.
drawing paper ref - tree auto ref reading.
generative scripts for others.

(min.)

classmate

Date 3.3.2020
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functional 3DS

Need a transformation from X_i to Y_i such
that it has similar local geometry.

fn. - ml.

$$C = \{x_i \mid w_i > 0\}$$

hyper parameter.

① ②

② abc

③ a b c e

④ d

⑤ b

$$\text{cut}(A, B) = \sum_{i \in A} \sum_{j \in B} w_{ij}$$