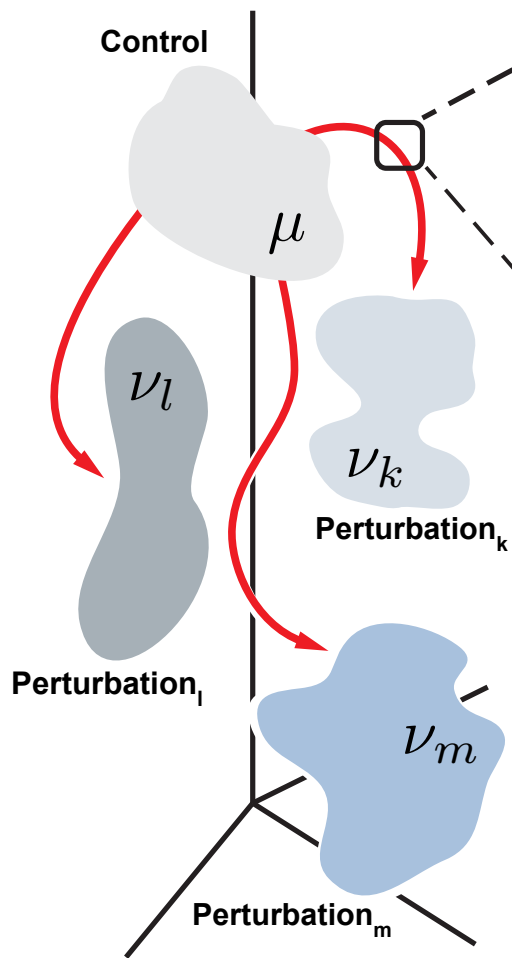
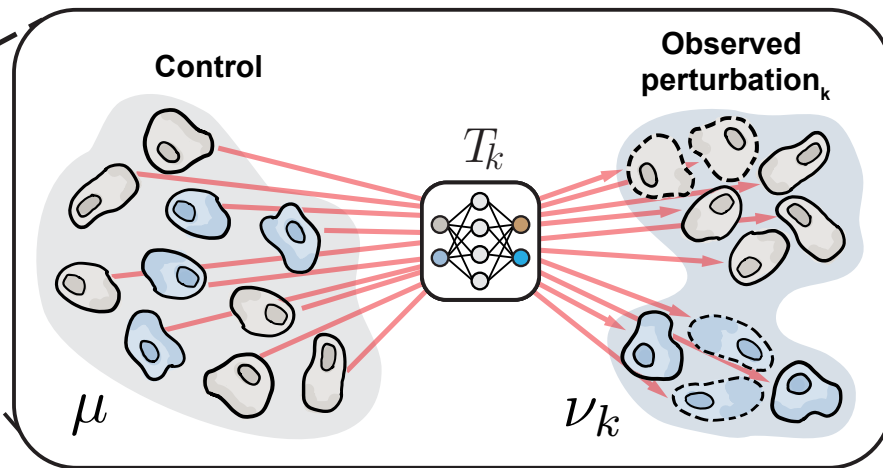


a.**b.****c.**

$$\arg \min_{T_k \# \mu = \nu_k} \sum_i \|x_i - T_k(x_i)\|_2^2$$

→ find T_k such that overall cost to transport μ to ν_k is minimal.

μ

x_i

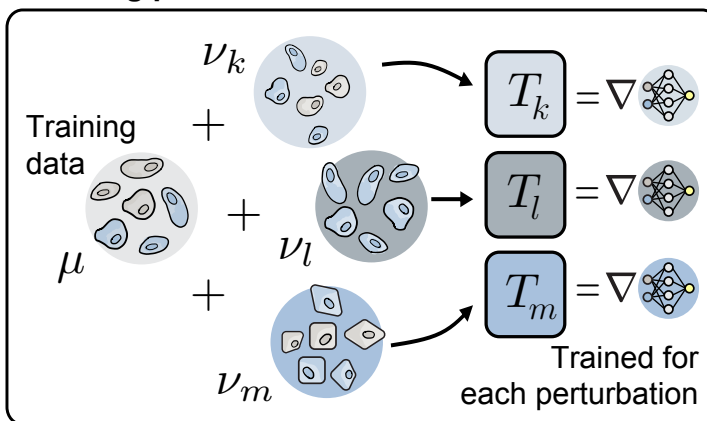
x_j

$T_k(x_i)$

$T_k(x_j)$

ν_k

$T_k = \nabla \varphi_k = \nabla$

d. Training phase

T_k^*

T_l^*

T_m^*

Optimized OT Maps

Testing phase