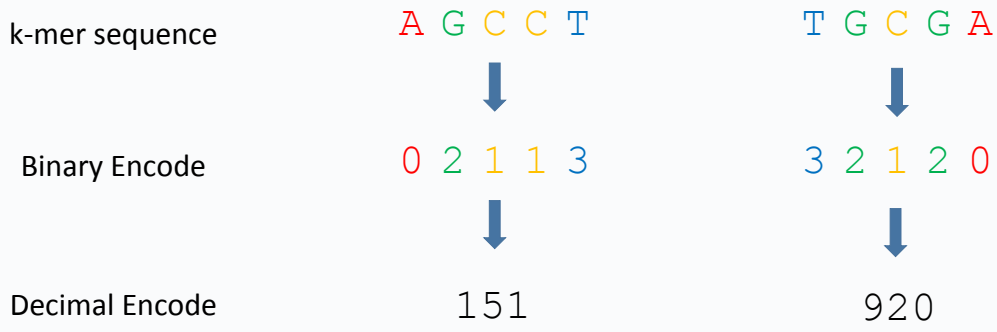
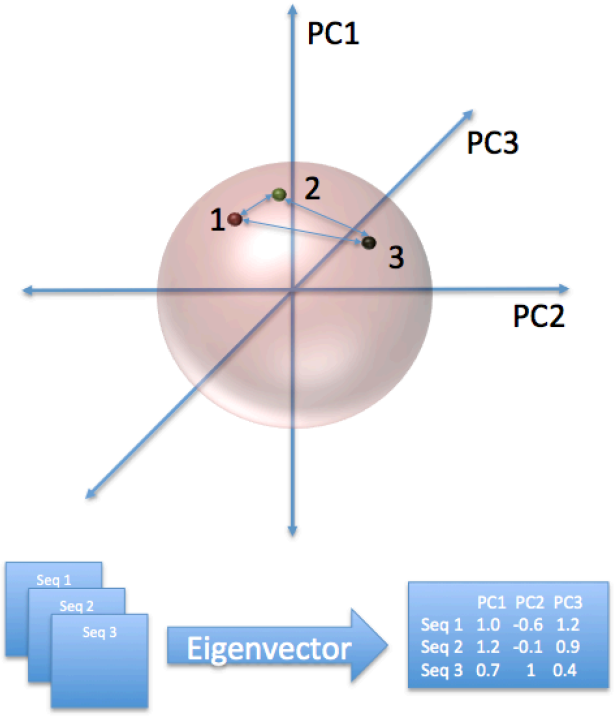
A



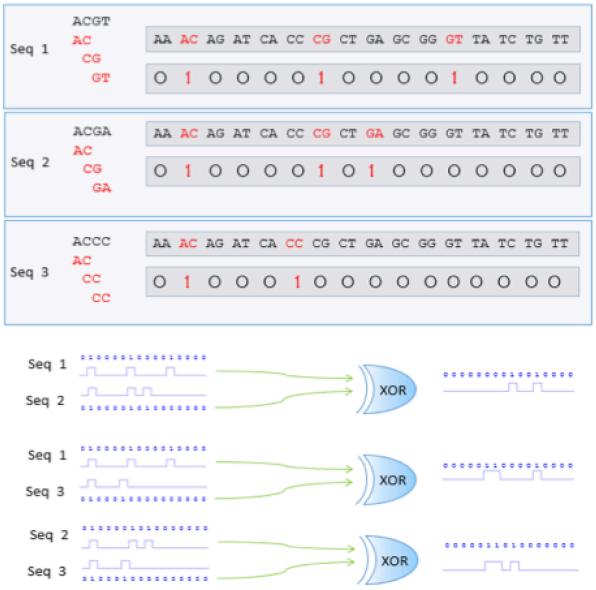
B

Linear Algebra (Orthogonal transformation)



Calculation of pairwise Euclidian distances Between points in Eigen space

Discrete Mathematics (Boolean transformation)



Calculation of pairwise differences (XOR) using Boolean matrices

C

Invariant pairwise distance calculation for each genome

	Boolean (-logBoolean)
Seq 1 / Seq 2 :	0.9031
Seq 1 / Seq 3 :	0.7270
Seq 2 / Seq 3:	0.7270