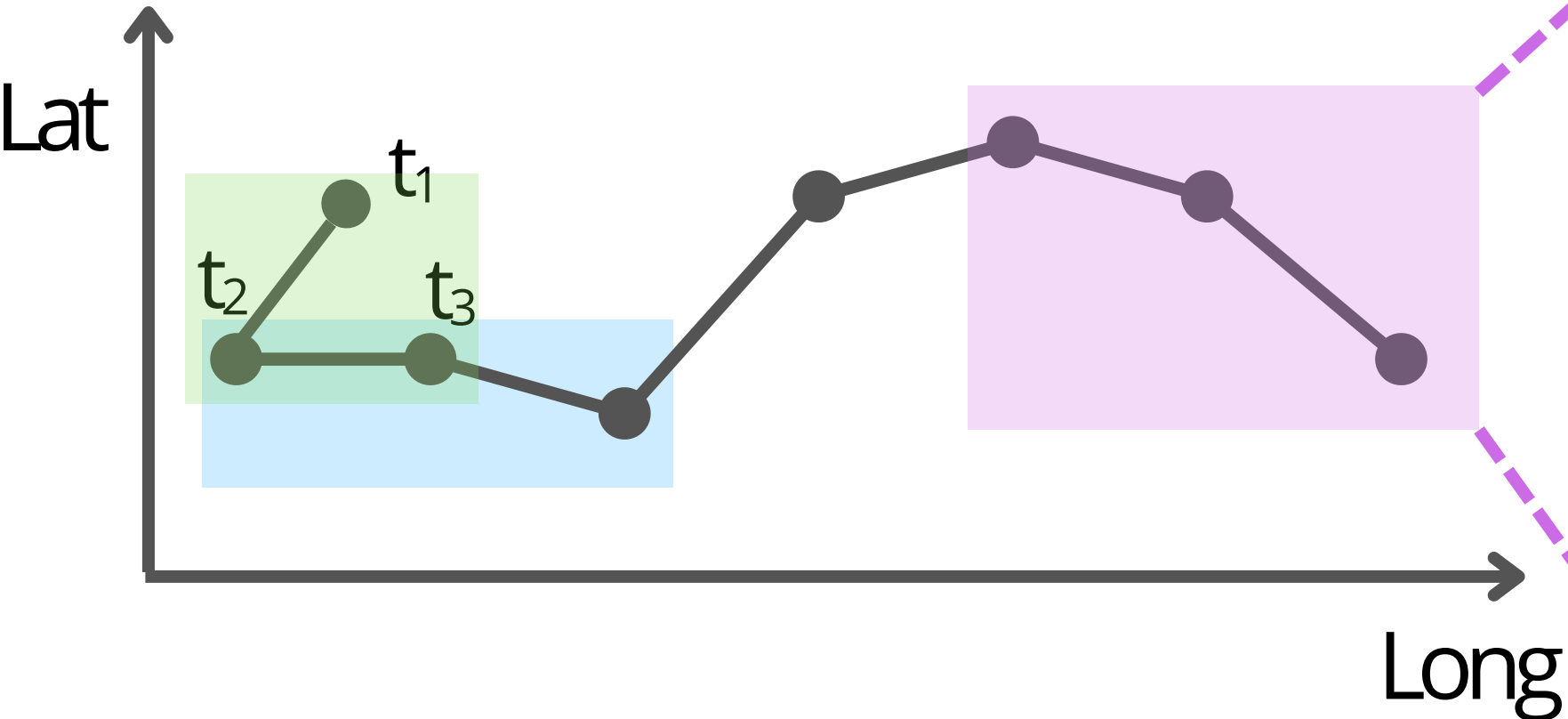# POPAyl Transformation

$D = 3, \tau = 1$

$a = \text{dist}(y_2 - y_0) < d_{\text{threshold}}$

$\pi = 210$

$a = 0$

$y = r \sin(\Theta)$, where

$\Theta = \tan^{-1}(y/x)$ and $r = \sqrt{(x^2 + y^2)}$