

Circumventing Distance Approaches

Applying eigen decompositions to raw data may alleviate some of the concerns associated with distance-based approaches.

- Replace correlated variables with synthetic, uncorrelated variables
- Reduce dimensionality of the data
- Seek signal over noise

Caveats

It may not be the case that major axes of genetic variation across the entire dataset align with vectors of covariance induced by connectivity.

- Secondary contact
- Demographic expansion