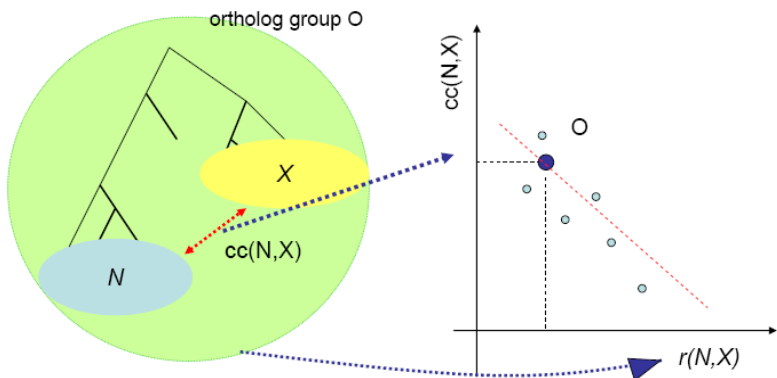
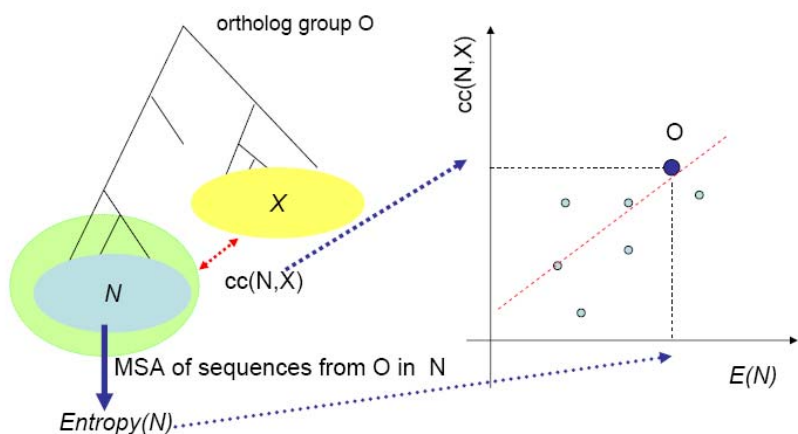
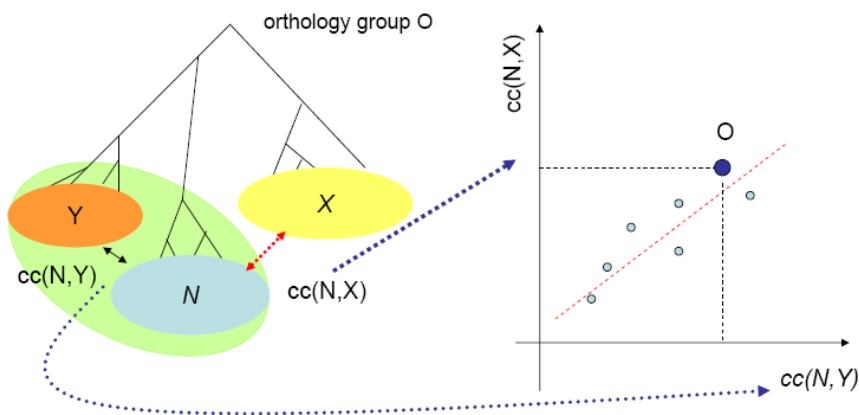




a) Testing correlation of  $cc(N,X)$  with a global property of ortholog groups (information on both N and X is used)



b) Testing correlation of  $cc(N,X)$  with a local property of ortholog groups (only information on N used)



c) Testing correlation of  $cc(N,X)$  with a local property of ortholog groups (uses information on N and an additional subgroup Y but does not use information on X)