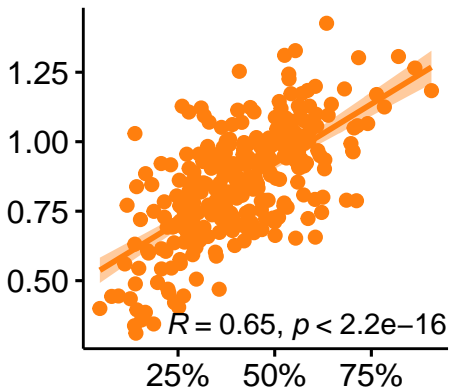
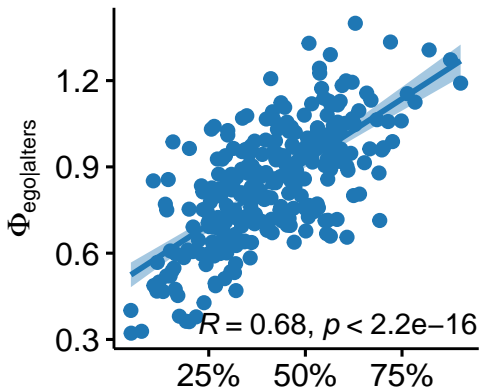




Co-location Network



Social Network



$\eta_{\text{ego}}(\text{alterns})$