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Accueil > Exploring visibility networks in Iron Age and Roman Southern Spain with Exponential Random Graph Models (Tom Brughmans)

EXPLORING VISIBILITY NETWORKS IN IRON AGE AND ROMAN SOUTHERN SPAIN WITH EXPONENTIAL RANDOM GRAPH MODELS (TOM BRUGHMANS)

Are lines of sight between Roman towns important for explaining their location? Through a case study on visibility patterns between urban settlements in Iron Age and Roman Southern Spain, this paper will discuss how Exponential Random Graph Models (ERGM) can help explore hypothetical past processes of interaction and site location. With these models the frequency of certain subnetworks in random networks and the empirically attested network is compared, to examine the probability that the subnetworks might have emerged through random processes. This paper will critically evaluate the potential and limitations of such an approach for archaeology.
