

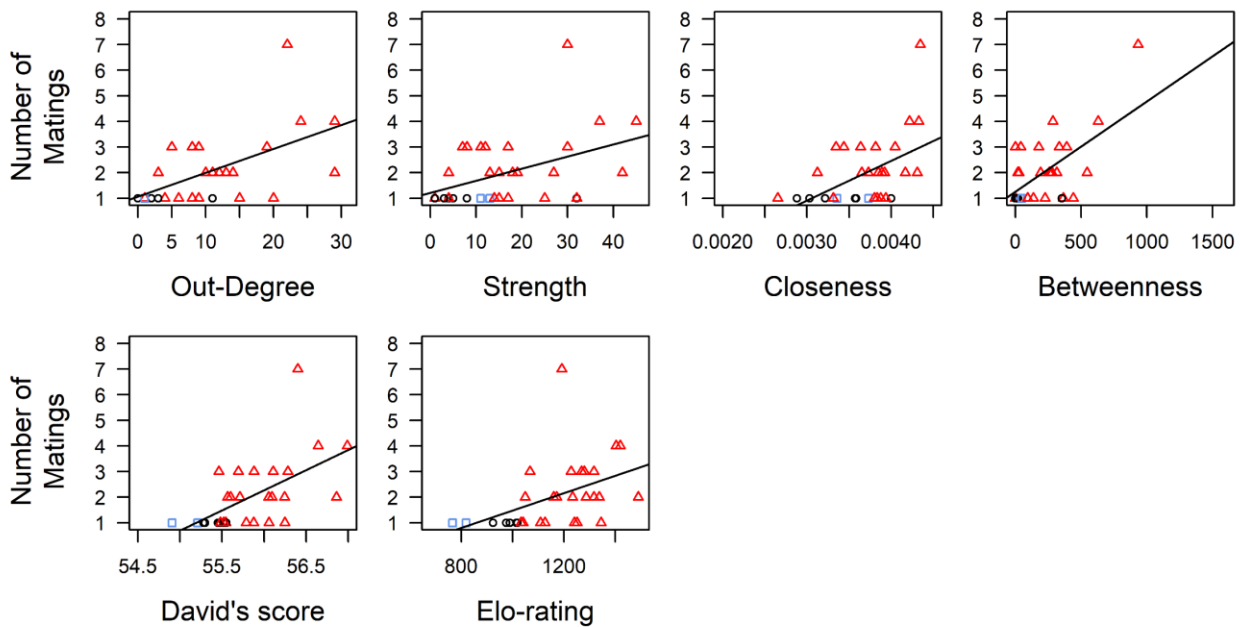
Supplementary Data SD3: Data Supporting Tests of Network and Dominance Measures vs. Number of Matings and Offspring

Scatterplots of Network and Dominance Measures vs. Matings and Offspring

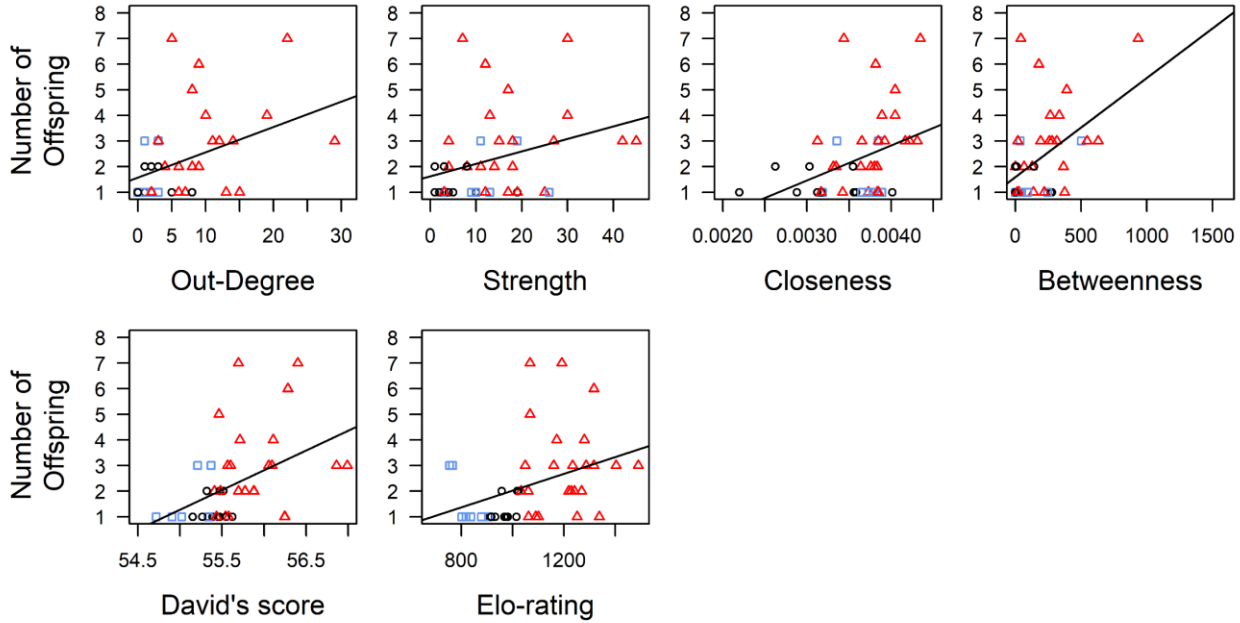
Relationships between number of matings and offspring sired vs. the four network measures (top row) and traditional dominance measures (bottom row). Lines indicate a linear fit to the data, with significant relationships depicted with solid lines. Data points are color and shape coded according to the 33% and 66% quantiles of Elo-rating:

- Blue squares = Elo-rating < 910 (low dominance)
- Black circles = Elo-rating ≥ 910 and < 1026 (mid dominance)
- Red triangles = Elo-rating ≥ 1026 (high dominance)

Mating Scatterplots:



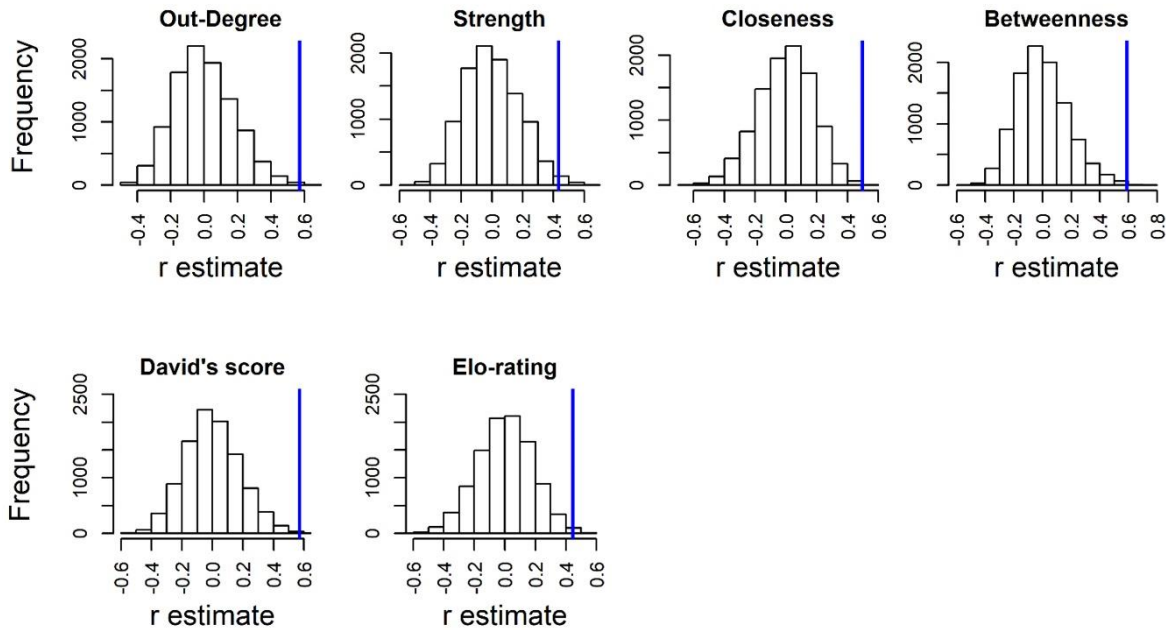
Offspring Scatterplots:



Randomization Histograms for Number of Matings and Offspring Sired vs. Network and Dominance Measures

Histograms of correlation coefficients (r) for permutations of ID. Randomization procedure was conducted using social network measures (top row) and traditional dominance measures (bottom row). The blue line indicates the observed correlation coefficient (r) for each test.

Matings Histograms:



Offspring Histograms:

