Total Bon, Power Closeness **Betweeness** InDegree STDS **Degree STDS Centrality STDS Centrality STDS Centrality STDS** 0.8

-0.75

Percent Missing

→ Complex Model-Based

Figure 7. Predicted Bias for Centralization Measures for a Large, Directed, Moderately Centralized Network

Bias

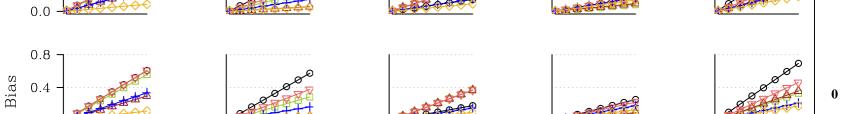
Percent Missing

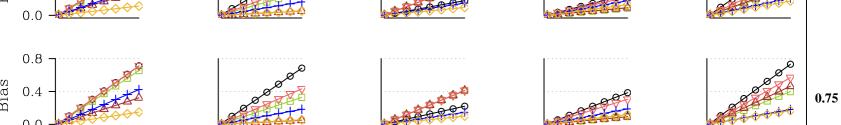
Listwise Deletion

Percent Missing

Probabilistic

→ Symmetric





Bias 35% 70% 70% 70% 35% 70%

Percent Missing

Overlapping Lines Indicate that the Methods Are Equally Biased

Asymmetric

Percent Missing

→ Simple Model-Based