

Figure 1: Scalability of proposed algorithms using |V| as network size when (top) n=0.25|V| and (bottom) n=0.90|V| with (left) 0.25n, (center) 0.50n, and (right) 0.75n added edges. Results from k-Im and k-Im $_V$  are condensed (only worst showed i.e., betweenness centrality for both). Similar observations when using |E| as network size.