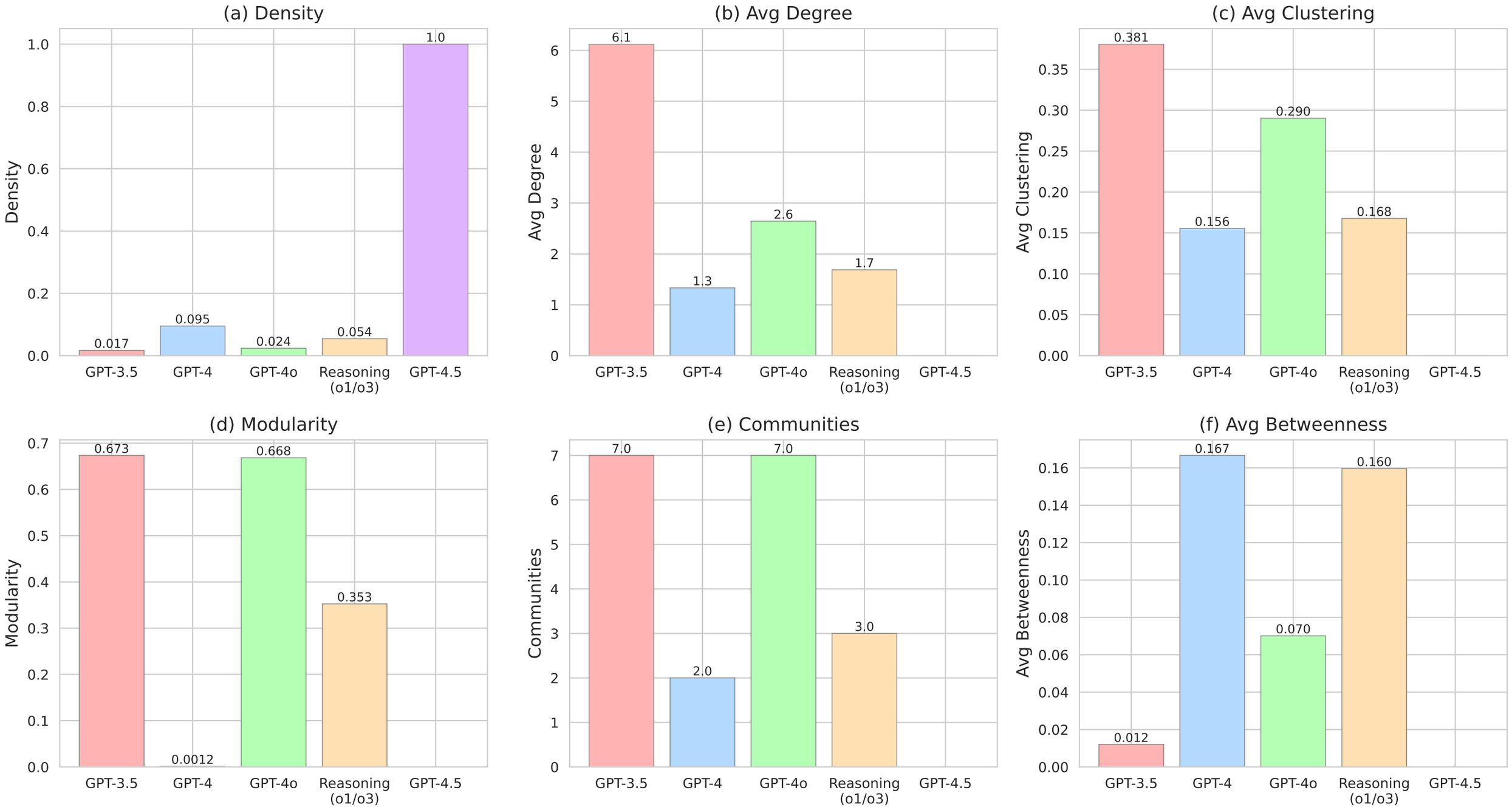
Network Metrics by Model Era
(a) Density
Density
0.017
0.095
0.024
0.054
1.0
(b) Avg Degree
Avg Degree
6.1
1.3
2.6
1.7
(c) Avg Clustering
Avg Clustering
0.381
0.156
0.290
0.168
(d) Modularity
Modularity
0.673
0.0012
0.668
0.353
(e) Communities
Communities
7.0
2.0
7.0
3.0
(f) Avg Betweenness
Avg Betweenness
0.012
0.167
0.070
0.160
GPT-3.5
GPT-4
GPT-4o
Reasoning (o1/o3)
GPT-4.5