Real network Files

1-celegans-metabolic.txt [1]
2-celegans-frontal.txt [2, 3]
3-celegans-neural.txt [2, 3]
4-airlines.txt [4, 5]
5-processor.txt [6]
6-program.txt [6]
7-finiteAutomaton.txt [6]
8-sites.txt [6]
9-www-similar.txt [6]
10-DBModel.txt [6]
11-LesMiserables.txt [7]
12-politicalBooks.txt [8]
13-USAirports.txt [9]
14-football.txt [10]
15-karate.txt [11]
16-prison.txt [12, 4]
17-students.txt [13]
18-germanOpera.txt [6]
19-team1.txt [6]
20-dolphins.txt [14]
21-team2.txt [6]
22-telephone.txt [6]
23-manufacturing.txt [6]
24-diningPartners.txt [15, 4]
25-FamilyVisit1.txt [16, 4]
26-FamilyVisit2.txt [16, 4]
27-FamilyVisit3.txt [16, 4]
28-flyingTeam.txt [12, 4]
29-hollywoodMusic.txt [17, 4]
30-koreaFamilyPlanning.txt [18, 4]
31-monastery.txt [19, 4]
32-sawmillPpl.txt [20, 4]
33-centralityPapers.txt [21, 4]
34-drugStudy2.txt [22, 23, 4]
35-drugStudy3.txt [22, 23, 4]
36-drugStudy.txt [22, 23, 4]
37-dutchLiterature.txt [24, 4]
38-hiTechFirm.txt [25, 4]
39-mexicanPolitics.txt [26, 4]
40-mathDiffusion.txt [27, 4]
41-sawmillStrike.txt [28, 4]
42-highTechManagers.txt [29, 4]
43-FoodwebChesapeake.txt [30, 4]
44-FoodwebChesLower.txt [31, 4]
45-FoodwebChesMiddle.txt [31, 4]

46-FoodwebChesUpper.txt [31, 4]
47-FoodwebCyprusDry.txt [32, 4]
48-FoodwebCyprusWet.txt [32, 4]
49-FoodwebMaspalomas.txt [33, 4]
50-FoodwebStMarksRiver.txt [34, 4]
51-FoodwebMangroveDry.txt [35, 4]
52-FoodwebMangroveWet.txt [35, 4]
53-FoodwebFlBayDry.txt [36, 4]
54-FoodwebFlBayWet.txt [36, 4]
55-FoodwebFloridaBay.txt [36, 4]
56-FoodwebYthan.txt [37]
57-AS1755.txt [38]
58-AS1755-r0.txt [38]
59-AS1755-r1.txt [38]
60-AS3257.txt [38]
61-AS3257-r1.txt [38]
62-AS4755-r0.txt [38]
63-AS4755-r1.txt [38]
64-AS6461.txt [38]
65-AS1239-r0.txt [38]
66-AS7018-r0.txt [38]

Bibliography

[1] J. Duch and A. Arenas, "Community detection in complex networks using extremal optimization," *Physical Review E*, vol. 72, 2005.

[2] J. G. White, E. Southgate, J. N. Thompson, and S. Brenner, "The structure of the nervous system of the nematode caenorhabditis elegans," *Philosophical Transactions of the Royal Society London*, vol. 314, pp. 1–340, 1986.

[3] J. Watts and S. H. Strogatz, "Collective dynamics of small-world networks," *Nature*, vol. 393, p. 440442, 1998.

[4] W. de Nooy, A. Mrvar, and V. Batagelj, "Pajek datasets." `http://vlado.fmf.uni-lj.si/pub/networks/data/`, 2006.

[5] E. Estrada and J. A. Rodriguez-Velazquez, "Spectral measures of bipartivity in complex networks," *Phys. Rev. E*, vol. 72, p. 046105, Oct 2005.

[6] "Graph drawing contest data, pajek dataset." `http://vlado.fmf.uni-lj.si/pub/networks/data/GD/GD.htm`, 2013.

[7] D. E. Knuth, *The Stanford GraphBase: A Platform for Combinatorial Computing*. Addison-Wesley, Reading, MA, 1993.

[8] "Political books network compiled by Valdis Krebs." `http://www.orgnet.com/divided2.html`, 2004.

[9] V. Colizza and A. Pastor-Satorras, R. abd Vespignani, "Reaction-diffusion processes and metapopulation models in heterogeneous networks," *Nature Physics.*, vol. 3, pp. 276–282, 2007.

[10] M. Girvan and M. E. J. Newman *Proc. Natl. Acad. Sci.*, vol. 99, pp. 7821–7826, 2002.

[11] W. Zachary, "An information flow model for conflict and fission in small groups.," *Journal of Anthropological Research*, vol. 33, pp. 452–473, 1977.

[12] M. J., "Direct factor analysis of sociometric data.," *Sociometry*, vol. 23, pp. 360–371, 1960.

[13] G. Van de Bunt, M. van Duijn, and T. Snijders, "Friendship networks through time: An actor-oriented statistical network model," *Computational and Mathematical Organization Theory*, vol. 5, pp. 167–192, 1999.

[14] D. Lusseau, K. Schneider, O. J. Boisseau, P. Haase, E. Slooten, and S. M. Dawson, "The bottlenose dolphin community of doubtful sound features a large proportion of long-lasting associations," *Behavioral Ecology and Sociobiology*, vol. 54, pp. 396–405, 2003.

[15] J. Moreno, *The Sociometry Reader*. The Free Press, 1960.

[16] C. P. Loomis, J. O. Morales, R. A. Clifford, and O. E. Leonard, *Social Systems and the Introduction of Change*. Glencoe (Ill.): The Free Press, 1953.

[17] R. R. Faulkner, *Music on Demand. Composers and Careers in the Hollywood Film Industry*. New Brunswick: Transaction Books, 1983.

[18] E. Rogers and D. Kincaid, *Communication Networks. Toward a New Paradigm for Research*. New York: The Free Press, 1981.

[19] R. Breiger, S. Boorman, and P. Arabie, "An algorithm for clustering relational data with applications to social network analysis and comparison with multidimensional scaling.," *Journal of Mathematical Psychology*, vol. 12, pp. 328–383, 1975.

[20] J. Michael and J. Massey, "Modeling the communication network in a sawmill," *Forest Products Journal*, vol. 47, pp. 25–30, 1997.

[21] N. Hummon, P. Doreian, and L. Freeman, "Analyzing the structure of the centrality-productivity literature created between 1948 and 1979," *Knowledge-Creation Diffusion Utilization*, vol. 11, pp. 459–480, 1990.

[22] J. Colemana, E. Katz, and H. Menzel, *Medical Innovation. A Diffusion Study*. Indianapolis: Bobbs-Merrill, 1966.

[23] D. Knoke and R. Burt, *Applied Network Analysis. A Methodological Introduction*. Beverly Hills: Sage Publications, 1983.

[24] W. de Nooy, *A literary playground. Literary criticism and balance theory*. Poetics, 1999.

[25] D. Krackhardt, "The ties that torture: Simmelian tie analysis in organizations," *Research in the Sociology of Organizations*, vol. 16, pp. 183–210, 1999.

[26] J. Gil-Mendieta and S. Schmidt, "The political network in mexico," *Social Networks*, vol. 18, pp. 355–381, 1996.

[27] R. Carlson, *Eugene: University of Oregon, Center for the Advanced Study of Educational Administration*. Poetics, 1965.

[28] J. Michael, "Labor dispute reconciliation in a forest products manufacturing facility," *Forest Products Journal*, vol. 47, pp. 41–45, 1997.

[29] S. Wasserman and K. Faust., *Social network analysis: Methods and applications*. Cambridge university press, 1994.

[30] B. D. and U. R.E., "The seasonal dynamics of the chesapeake bay ecosystem," *Ecological Monographs*, vol. 59, pp. 329–364, 1989.

[31] J. Hagy, *Eutrophication, hypoxia and trophic transfer efficiency in Chesapeake Bay*. PhD thesis, University of Maryland at College Park (USA), 2002.

[32] R. Ulanowicz, C. Bondavalli, and M. S. Egnotovich, "Network analysis of trophic dynamics in south florida ecosystems–the cypress wetland ecosystem," tech. rep., U.S. Geological Survey, Biological Resources Division, 1996.

[33] J. Almunia, G. Basterretxea, J. Aristegui, and R. Ulanowicz., "Benthic-pelagic switching in a coastal subtropical lagoon," *Estuarine, Coastal and Shelf Science*, vol. 49, pp. 363–384, 1999.

[34] D. Baird, J. Luczkovich, and R. R. Christian, "Assessment of spatial and temporal variability in ecosystem attributes of the st marks national wildlife refuge, apalachee bay, florida," *Estuarine, Coastal and Shelf Science*, vol. 47, pp. 329–349, 1998.

[35] R. Ulanowicz, C. Bondavalli, and M. S. Egnotovich, "Network analysis of trophic dynamics in south florida ecosystems–the mangrove ecosystem, technical report ts-191-99," tech. rep., Maryland System Center for Environmental Science, Chesapeake Biological Laboratory, Maryland, USA, 1998.

[36] R. Ulanowicz, C. Bondavalli, and M. S. Egnotovich, "Network analysis of trophic dynamics in south florida ecosystems–the florida bay ecosystem," tech. rep., U.S. Geological Survey, Biological Resources Division, 1997.

[37] A. Rossberg, H. Matsuda, T. Amemiya, and K. Itoh, "Food webs: Experts consuming families of experts," *Journal of Theoretical Biology*, vol. 241, no. 3, pp. 552– 563, 2006.

[38] N. Spring, R. Mahajan, D. Wetherall, and T. Anderson, "Measuring ISP topologies with rocketfuel," *IEEE/ACM Trans. Netw.*, vol. 12, pp. 2–16, Feb. 2004.