



Random Networks
 Small world effect
 Stanley Milgram
 Average separation
• Web: $0.35 + 2 \log_{10} N$
• Food webs: 2
• Molecules in the cell: 3
Scientists: 4-0
• Internet: 10
• $k^d \sim N \rightarrow d = \log N / \log k$
 Clustering
 'The strength of weak ties' (Granovetter 1973) Managerial workers hear about job openings more through weak (28%) than through strong ties (17%)
<u>Clustering coefficient</u>
www.dessalles.fr/ 3





























