



Analiza omrežij kot **samostojna** ali **interdisciplinarna znanost**?

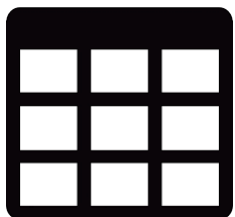
Lovro Šubelj
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Analiza omrežij **v računalništvu**

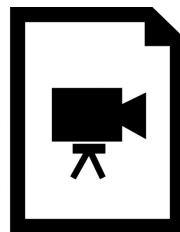
- računalništvo je **reševanje problemov** (pogosto z računalnikom)
- **predstavitev podatkov** določa vrsto metod



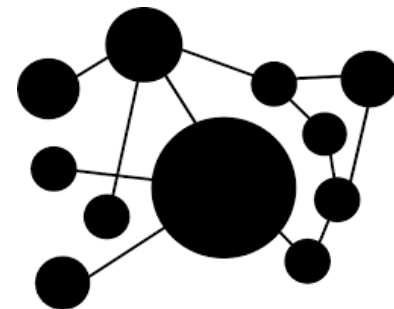
atributi/značilke
data mining



besedila
text mining



slike, video
computer vision

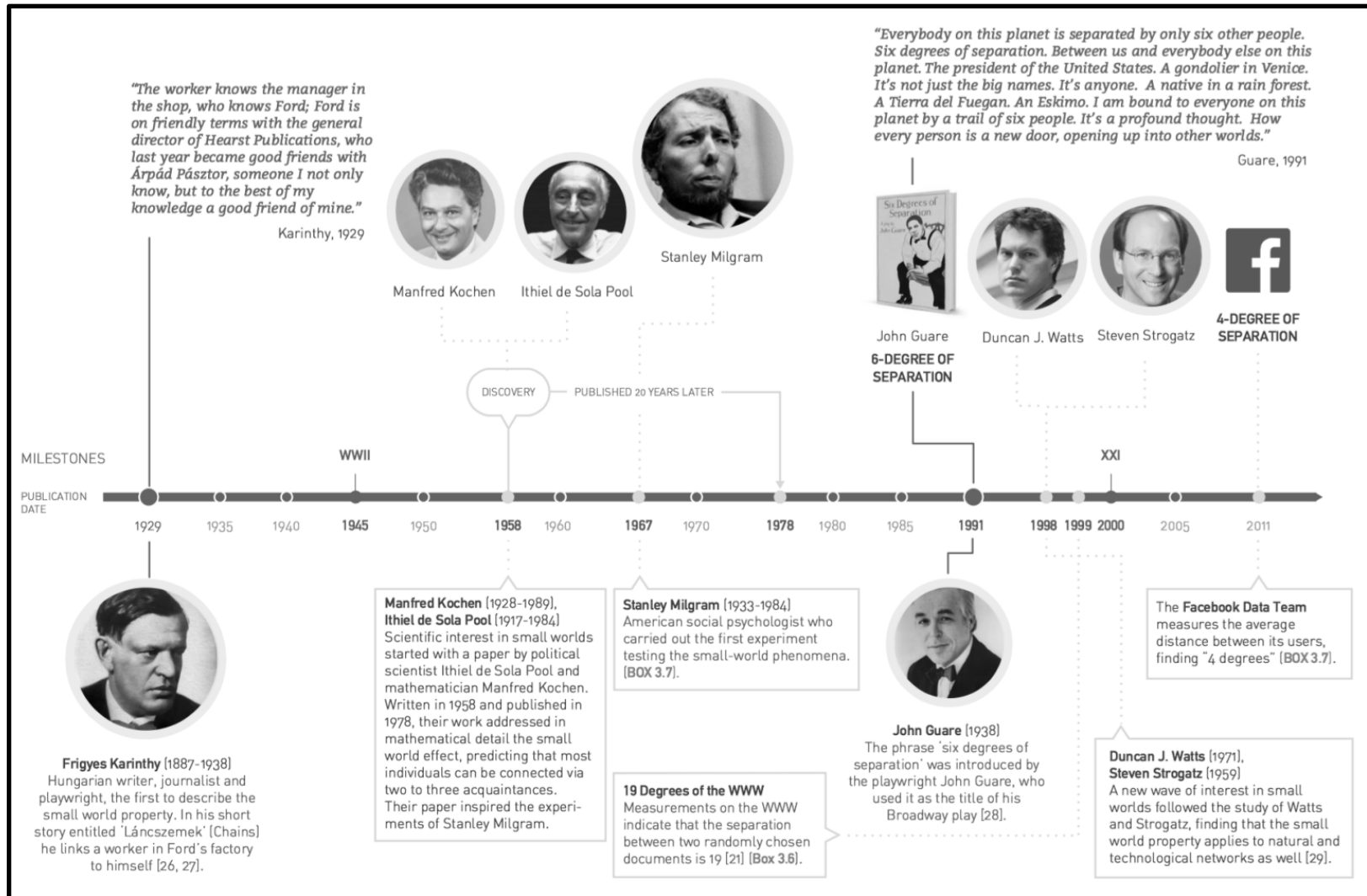


odvisnosti/povezave
network analysis





Sodelovanje disciplin v analizi omrežij





Različni cilji disciplin v analizi omrežij


Hidalgo *Applied Network Science* (2016) 1:6
DOI 10.1007/s41109-016-0010-3

Applied Network Science

RESEARCH **Open Access**

Disconnected, fragmented, or united?
a trans-disciplinary review of network
science

César A. Hidalgo

 CrossMark

- **gradnja mostov** med disciplinami:
 - prednost **sodelovanja** disciplin
 - **skupna** interesna **področja**





Kritika disciplin v analizi omrežij

nature
human behaviour

PERSPECTIVE
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Should social science be more solution-oriented?

Duncan J. Watts

Over the past 100 years, social science has generated a tremendous number of theories on the topics of individual and collective human behaviour. However, it has been much less successful at reconciling the innumerable inconsistencies and contradictions among these competing explanations, a situation that has not been resolved by recent advances in 'computational social science'. In this Perspective, I argue that this 'incoherency problem' has been perpetuated by an historical emphasis in social science on the advancement of theories over the solution of practical problems. I argue that one way for social science to make progress is to adopt a more solution-oriented approach, starting first with a practical problem and then asking what theories (and methods) must be brought to bear to solve it. Finally, I conclude with a few suggestions regarding the sort of problems on which progress might be made and how we might organize ourselves to solve them.

- velika **osredotočenost** literature:
 - na **teorije** v družboslovju?
 - na **metode** v računalništvu*
 - na **modele** v fiziki? itd.





Problemsko usmerjena analiza omrežij

- analiza omrežij je **praktična znanost** različnih znanstvenih disciplin
- gradnja mostov med disciplinami kot **posledica usmerjenosti k problemom:**
 - potreba po interdisciplinarnosti ekip
 - nova, skupna interesna področja

