

# Lecture 3: More on the small world problem and some history

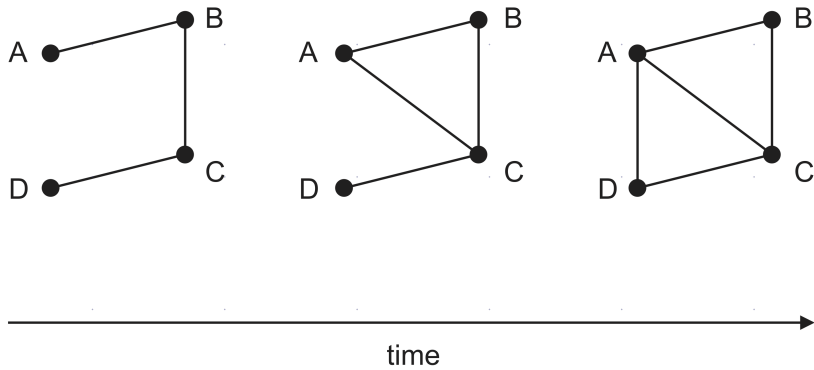
Sociology 204: Social Networks, Spring 2021

Matthew J. Salganik

3/3: Triadic closure on Twitter



2.3



# The Effect of Recommendations on Network Structure

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<http://dx.doi.org/10.1145/2872427.2883040>

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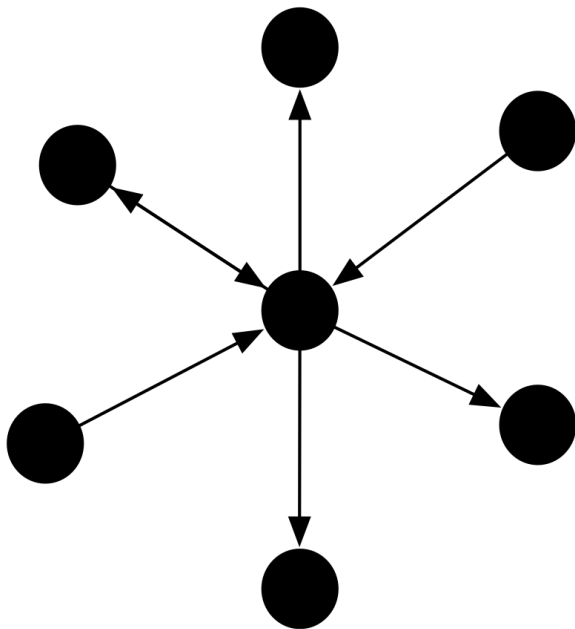


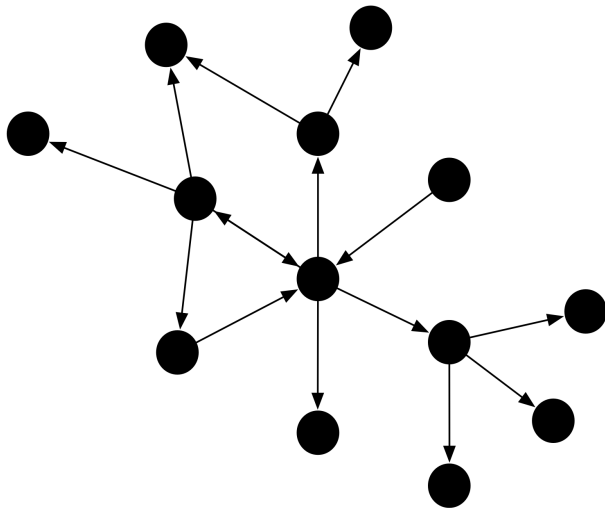
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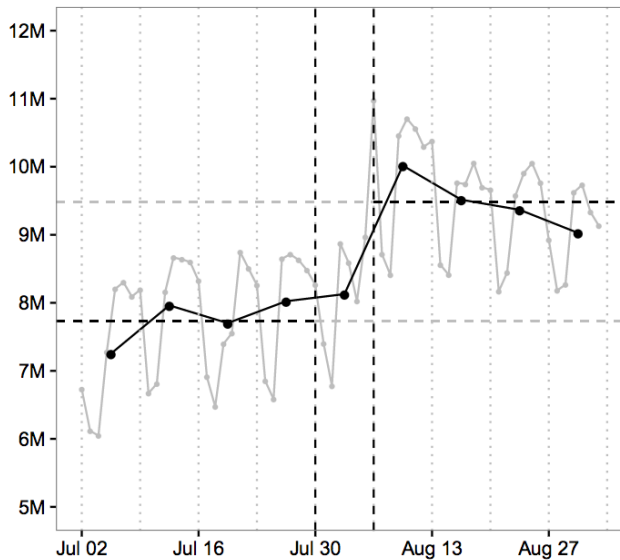
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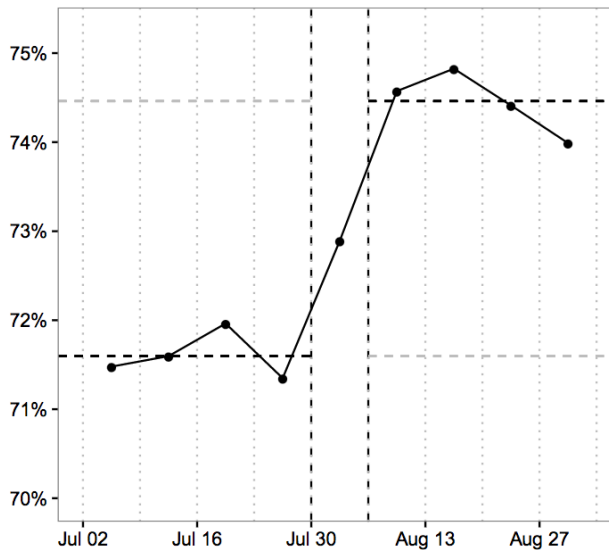


Daily number of new edges





Percent of edges that close a triangle



Online behavior = human behavior + algorithmic bias

Next class:

Next class:

- ▶ Watts, Chapter 3.
- ▶ Watts, D.J. and Strogatz, S.H. (1998). Collective dynamics of 'small-world' networks. *Nature* 393, 440-442.
- ▶ Victor, B. (2011). Scientific Communication As Sequential Art.
- ▶ Watts, D.J. (1999). Networks, dynamics, and the small world phenomenon. *American Journal of Sociology*, 105(2):493-527

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