

# Supplementary Information: Whose Social Capital?

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This document provides further details and justification for some of the analytic decisions made in the primary manuscript. We also provide some additional ancillary descriptive characteristics of our analytic corpus and results.

First, some basic information about the scope of the corpus and constructed networks.

- Number of papers in corpus: 21,160
- Total citations: 985,749 (to 533,111 unique papers)
- Giant component (Harary 1969) size in citation network: 546,159 (only drops 4,073 papers from above)
- Citations in GC: 981,875 (to 529,244 unique papers)

Community detection on the citation giant component

- Number of papers in components size>10k
  - fast-greedy solution: 307,977
  - louvain solution: 304,163
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## Size of those components in the louvain solution

Identifying the “top citations” (receiving  $\geq 1$ k citations within the corpus):

- [1] “adler ps, 2002, acad manage rev, v27, p17, doi 10.2307/4134367”
- [2] “bourdieu p., 1986, hdb theory res socio, doi doi 10.1002/9780470755679.ch15”
- [3] “burt r, 1992, structural holes soc”
- [4] “coleman j., 1990, fdn social theory”
- [5] “coleman js, 1988, am j sociol, v94, ps95, doi 10.1086/228943”
- [6] “granovetter ms, 1973, am j sociol, v78, p1360, doi 10.1086/225469”
- [7] “lin nan, 2001, social capital theor”
- [8] “nahapiet j, 1998, acad manage rev, v23, p242, doi 10.2307/259373”
- [9] “portes a, 1998, annu rev sociol, v24, p1, doi 10.1146/annurev.soc.24.1.1”
- [10] “putnam r., 2000, bowling alone collap”
- [11] “putnam rd, 1995, j democracy, v0006”
- [12] “putnam robert d., 1993, making democracy wor”

How many citations are there to the set of those top citations in the largest citation clusters? - Raw count: 681 777 868 354 427 1929 2886 6022 4306 1656 - As a proportion of citations sent within those clusters:

Which communities are each of the top\_cites in (recognizing this isn't the question here)?

- In FG solution, they're all in the same community.
- In louvain, they are in five separate communities
  - {adler, burt, coleman\_1990, granovetter, nahapiet}
  - {bourdieu, lin, putnam\_2000}
  - {coleman\_1988}
  - {portes, putnam\_1995, putnam\_1993}).

Harary, Frank. 1969. *Graph Theory*. Addison-Wesley.