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"INTERACTIVE," PEOPLE-CENTERED WORK THAT WE ASSOCIATE WITH TODAY'S URBAN ECONOMY

Inter-Social-Activity

Over the past 120 years, the authors found, jobs requiring "thought, communication, and inter-social activity" have become increasingly associated with dense and productive cities. And perhaps most interestingly, their research finds that this shift began far earlier than most observers would expect, long before post-1970 deindustrialization and the rise of the techdriven knowledge economy of the 1980s, 1990s and 2000s put these changes in national headlines. It turns out it was the growth of much earlier high-tech industries — the telephones, subways, and cars of the country's early communications and transportation industries — that propelled

The study is based on an analysis of 3,000 verbs used to describe some 12,000 actual jobs listed in historical and contemporary editions of the Dictionary of Occupational Titles. The researchers combined this with more standard economic indicators to understand how this shift maps onto the economic performance of American cities over the past 120 years. The table below, from the study, shows the verbs that were most and least correlated with employment in metropolitan areas at two decade intervals from 1880 to 2000.

The differences over time are striking. In 1880, the top verbs associated with jobs in metro areas include "thread," "stretch," "sew," and "braid" (perhaps a tribute to clothes, shoe, and rope manufacturing). Among the least-used verbs are "teach," "conduct," and "rule." In this early period, cities were centers of specialized manufacturing processes, while more dynamic jobs were often centered in rural areas. By 2000, the pattern is reversed. The most common verbs ("develop," "determine," "analyze") are strongly suggestive of knowledge-driven management. The least-used verbs ("restrain," "cut," "power") are strongly suggestive of work on a factory floor — which there is less and less of in most cities. Now, cities are centers for interactive economic activities, while more specialized activities have shifted to outlying areas.

The major shift in cities

This lead the authors to conclude that we have witnessed a major shift over the past century in the kinds of work that is centered in cities. By 2000, there was a strong correlation between a city's population density and its share of "interactive" occupations. And the cities with the greatest relationship between population density and knowledge- and people-centered jobs are also just what you'd expect: Boston and New York do well, while small places like Anniston, Alabama, and Mansfield, Ohio, sit at the bottom of the list.







t the height of the industrial era, urbanization was powered by the concentration of industry in cities. The rise of manufacturing brought huge waves of migration, as rural workers sought factory jobs in burgeoning industries located in cities. Boston grew as a center for textile and boot and shoe production. Pittsburgh grew as a center for steel-making. Detroit grew around automotive products. So day after day, these 19th century city dwellers engaged in exactly the kind of tasks memorialized by Charles Dickens and Upton Sinclair: braiding, sewing, threading, etc.

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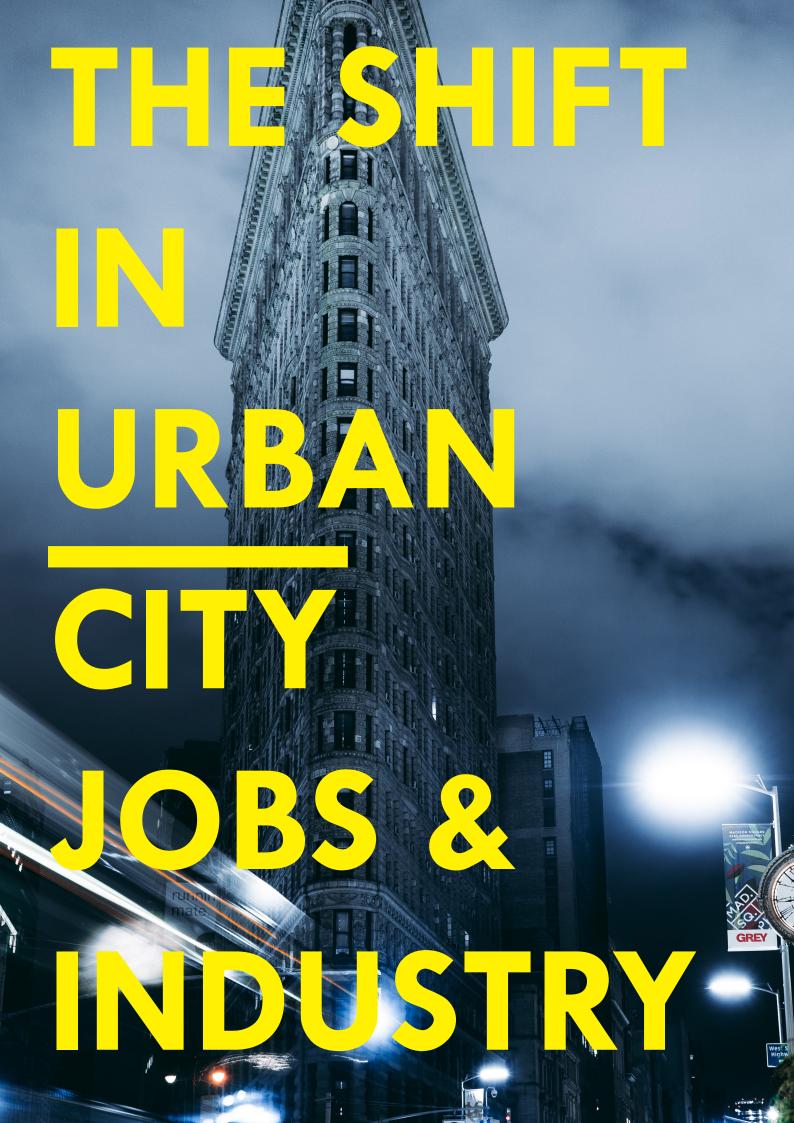
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This is in line with my own research and that of others, which have shown that jobs requiring knowledge and social skills tend to concentrate in much larger cities and metros. In contrast, jobs and tasks that require more standard physical skills have tended to cluster in much smaller cities and metros. Writing in The Atlantic a few years ago, I noted that jobs requiring the highest levels of social skills, in other words the jobs that require the most interaction, tended to cluster in the largest cities and metros areas, even more so than jobs requiring greater wisdom.





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