

Confluence of Urbanization and Digital Ubiquity

- The age of urbanization and emergence of cities as living laboratories
- Changing demographics graying human population and shrinking labor force
- The acceleration in scope, scale, ubiquity, and economic impact of digital technology



The Age of Urbanization

- In 2008, for the first time in history, more people lived in cities than in rural areas. By 2050, nearly 2/3 of the world's projected 9.7B population will live in urban areas.
- Over the last decade, the global urban population has been rising by an average of 65M per year.
- In China alone, 300M people are expected to move to urban areas over the next 15 years; India needs to build the equivalent of a new Chicago every year to keep up with demand.

- Half of global GDP growth between 2010 and 2025 will come from 440 cities in emerging market; 50% of urbanization involves cities with less than 500K population.
- Cities display greater network effects: with every doubling of a city's population, each inhabitant becomes 15% wealthier, more productive and more innovative.
- Growth of innovation districts, mixed-use spaces, and urban talent pool



The world is getting older...

- 65+ is rapidly increasing in both advanced and emerging economies
- Between 1950 and 2050, the ratio of 65+ to children <15 years old will go from 3:10 to 16:10 in advanced economies.
- In emerging economies, the ratio will increase from 1:10 to 6:10
- The Chinese refer to their impending aging challenge as the "4:2:1 problem"

Every adult child must care for two parents and four grandparents

Impact on the future of workforce



Technological Advances and **Emerging Trends**



Expanding Limits of Computation



Digitization and Data Explosion



Automation and Smart Systems



Connectivity and Mobility

Disruption of Markets and Industries

Technological innovations have always **disrupted the status quo** and underpinned dynamic economic change. e.g., the steam engine, the printing press, electricity

Today's advances are catalyzing:

- Disruption across many markets
- Adoption at breathtaking speed and scale
- Acceleration of economic impact







