

Venture Valuation AG: The Genedata Assignment

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Why is BIG DATA useful for solving civic problems?

The World's growing population is accompanied.

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Social Context of the need for Big Data in City & Regional Planning

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- 'Urban Population Grands' WHO World Health Departmenton, n.d. V 91 Aug. 2014. http://www.mbc.bidgrandshur.healthot.callon.headthot.aster.headthot.hea
- "Planning Professional and enforcement to Halp SP Stable Union Positions with Sig Data." IoC Stateshop Horoscheric: University of Cellifornia, Berkeley in C. Web, OCAU, 2014. http:// seasouther.berkeley.obs/274.1947/frameling-on-fessional-made
- Tersendien' Wajnesie Wistereste Promission, 30 July 2016. Veto Si Aug. 2016. violenden zeitereste zeglein Schendium.
 Terreffy' Marrify — Kungy N.p., n.d. Web. 02 Aug. 2016. drip.

5) "Blog," RSS, N.p., n.d. Web, 02 Aug. 2014.

Why is this information useful?

This corean data once quantified and spatially located over an area begins to tail a stary of inforce people five and why they felt. These are rarging elements of the equation that will sharing over time.

Wadell has continued his research using Big Dat and has created two more programs that are popularly used among architects, landscape architects and planners, alide. The two programs include GeoCarnas and UrbanCarnas.

> Seeing the change of these processes give as insight on unbuprocessors, gentrification and investment of seal estate. The information helps planners predict what will happen in the father with using the backing.







Conclusion

 Big Data is in the process of transforming the fields of and regional planning by giving planners insight onto whether their proposals will reach success in a multiturely

 thirdings and interventions will now become in thought out ideas due to the data that can pres treatment or triamph.

trustma or triamph. In addition, Big Dafa will be used to assess how to res the reguline externalities of the city, without compris

ndoing so, our cities will become more sustainable.

Further Extrapolation of Example:

The mass arequests of data that was used to areate this man includes:

- the overall regional job accessibility of an area
 the income of the induidual living in the
- neighborhood itself
- The availability of uncoccupied residential lots in: area

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What is **BIG DATA**?



Big data refers to a vast library of data that cannot be analyzed using simple statistical quantification tools. Instead, it requires computer algorithms with fast processing speeds and programs to go through the data. These large amounts of data can tell us a lot about the behavior of humans in the environment, this in turn makes it very useful in predicting the impact of various city planning policies will on the people living in the environments and the overall economy.







What is BIG DATA?

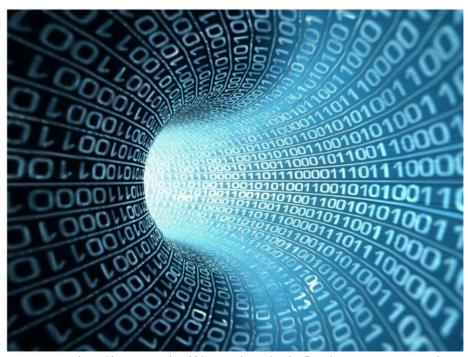


Image Source: http://www.greenbookblog.org/2012/03/21/big-data-opportunity-or-threat-for-market-research/

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Why is BIG DATA useful for solving civic problems?

The World's growing population is accompanied by big sets of data that give us insight on a multitude of arenas from human behavior to economic trends. Paul Waddell, a professor at UC Berkeley, created a program UrbanSim that organizes and spatially locates large amounts of data from census data (as well as other sources) in order to inform planners of the effectiveness their policies will be in both the present and the future.

Social Context of the need for Big Data in City & Regional Planning



Rural to Migration: The Great Divide

World population distribution

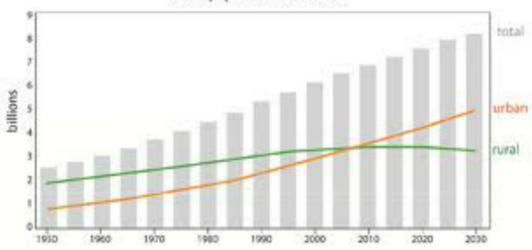


Image Source: http://www.economicthought.net/blog/wp-content/uploads/2012/01/rural-v-urban.png

As of three years ago, for the first time ever, the worlds population living in urban areas exceeded that of those living in rural areas.

Shift in World's Economy



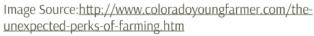




Image Source: http://www.gettyimages.com/detail/photo/japan-tokyo-ginza-street-pedestrians-high-res-stock-photography/200499092-001

This is a result of our economy transitioning from one based on agricultural industry to an economy based on the transactions of goods and services.

Results of Rural to Urban Migration



Favelas in Rio de Janeiro

Image Source: http://en.wikipedia.org/wiki/Favela

This migration from rural to urban landscapes has put a huge strain on cities around the world, which in turn has caused city officials to implement more planning policies to accommodate for this growth.

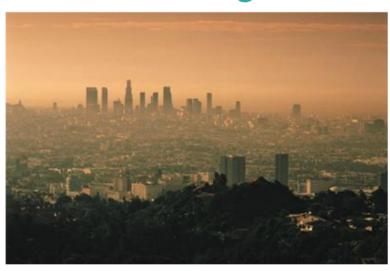


Image Source: http://themindbodymoderate.com/2012/02/08/is-running-inlos-angeles-bad-for-your-health/

Negative Externalities resulting from Population Growth:

Pollution

Traffic Congestion

Slum Development

Paul Wadell and Urbansim

Image Source: http:// www.utdallas.edu/ news/2010/2/26-1391_A umni-Award-Recipientsand-New-Leadership-Honor-A_articlewide.html



Image Source: http://www.peostri.army.mil/PRODUCTS/USAGFTP/



