大数据——共享经济时代的"核武器"。 Big Data—"Nuclear Weapon" in Shared Economy Era

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mobike 摩痒单车

SUMMARY

1. 共享单车的前世今生 Shared bike's past and present

2. 共享的城市才是智慧城市 Shared city is smart city

3. 无大数据不物联网 IoT must be followed with big data

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日录

1. 共享单车的前世今生 Shared bike's past and present

Shared bike recalls bikes: the progress of history, the choice of people



Shared bike, Revive people - oriented city

The study found that innovative intelligent shared bike has become the fourth popular way of traveling in less than a year since its entering the city, seconded to cars, buses and subways. It revives the "bike kingdom". Intelligent shared bike represents a harmonious way of life, and a perfect combination of the "Internet +" and the real economy. It brings back the life breath by the running bikes, and it also encourages the public to participate in urban construction, making cities develop with civilization, low-carbon, wisdom and health.



Shared bike's past and present

MODIKE #

Shared bike rocketed, available in more than half of the provinces and cities nationwide



Intelligent shared bikes are available at home and abroad 160+cities, covering the whole country 20+provinces, autonomous regions and municipalities, As well as Singapore, Manchester.



Shared bike's past and present



Destination survey of Shared bikes



About 1/3 users ride for

Fun and

70% Users are born in 1970s,80s and90s

users born in 1980s,90s and 00s tend to: ride to school or work

users born in 1940s and 50s Tend to Ride to meals or shopping



2. 共享的城市才是智慧的城市

Shared city is smart city





the world's first Unlock by scanning code

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Riding changes the commute: percentage of commuting by riding has doubled

Before shared bikes



After shared bikes



Riding changes city

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Since the introduction of shared bike, commuting with cars has reduced by 55%!

Note: % represents the change rate of users' choices of traffic means before and after the application of shared bikes. The data were collected by the questionnaires among mobike users. Car refers to private car, hailing car and taxi.



Riding changes the commute: commuting with unlicensed cars has reduced by 53% !



Shared bike users say

Unlicensed cars, We don'twant you!

After the launch of shared bikes, we use less unlicensed cars

 True cases around a subway station in Beijing

subway station in beijing

Back to spring of 2016.....no shared bike then.....



53%!



200 + unlicensed cars 40+ orders per day Income of a driver was easy to obtain 200RMB/day

Till the day.....shared bike appeared !



10+ orders per day 70



70% drivers of unlicensed cars switched to other jobs

Note: % represents the change rate of users' choices of traffic means before and after the application of shared bikes. The data were collected by the questionnaires among mobike users

2. 共享的城市才是智慧的城市

Shared city is smart city

Riding facilitates energy-saving and emission reduction: reduce the emission, assist haze governance!

MODIKE ^m/_m [#]







Riding reshapes city : save the space

Nationwide the space saved by shared bikes is equivalent to



Beijing space saved is equivalent to 5 National Stadiums Shenzhen space saved is equivalent to 2.5 Window of the World Shanghai space saved is equivalent to 15 People's parks







Smart City Low carbon City Healthy City





7M+bikes Mobike shared bikes Generate over 2TB travel data everyday

The world's largest mobile IoT platform





7 million + bikes ► Manage Manually?



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Smart parking recommendation——AI guided parking



The electronic fence accurately senses the parking locations

BDS + GPS + GLONASS

applied by Mobike for positioning



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Riding reshapes city : riding big data power the smart city



Source analysis of hot spots



Provide data support for optimization of low speed environment and land panning through riding data Provide intelligent scheduling for urban traffic

Make bikes more efficient, make the connection between public vehicles more convenient and promote the green traffic by applying the big data of riding

Note: the Mobike bikes equipped with GPS could provide massive big data.



IoT must be followed with big data

mobike #







Predict tomorrow's riding orders based on weather forecast

History orders



Mon.	Tue.	Wed	Thu.	Fri.	Sat.	Sun
		Orders since Aug.16 2016				
		True v	ralue	Predicted value		





Reasonable, efficient and safe operation of Millions even 10 millions of intelligent shared bikes



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MODIKE #













Massive users participate in the intelligent scheduling



Mobile's Red packet bikes

Users find the bikes with red packet by GPS, get the bonus, complete a scheduling





The operational efficiency of bikes increases by 20%



Intelligent scheduling—— Red packet bikes

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Intelligent scheduling——Red packet bikes

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Intelligent scheduling — Red packet bikes

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Intelligent scheduling — MPL



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Intelligent scheduling — MPL



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Magic Cube

AI Platform of Mobike

An AI platform based on big data



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Magic Cube

"Magic Cube" knows exactly how many shared bikes are needed in a city

"Magic Cube" even knows exactly the need of each entrance of a subway station.





The significance of "Magic Cube" to a city



IoT must be followed with big data

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Powered by big data of Mobike, City Traffic Open Research Institute

was co-founded by top 12 institutions at home and abroad, including the Highway Science Research Institute of the Ministry of Traffic, Tsinghua University, Tongji University, Beijing Municipal Institute of City Planning & Design.

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T H A N K S

