What role can data play in planning a more human smart city?

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Poblacion Future
Urban Land Insitute
Thinking Machines

- 2 minute snapshot of Waze data for a whole year, available at http://bit.ly/TMWazePoblacion
- Aggregated data to inform public policy
- Evidence to support planning

Future-ready Outcomes

To what purpose?

- Inclusive future-readiness
- Socio-economic resiliency
- Attracting talent and families
- Preparedness for the unexpected
- Outscaled value gain

Holistic Planning

Getting it right

- Science of the land
- Evidence based consensus
- Permeability for connectivity
- Model digital twin
- Best practices collaboration

Intelligent Systems

Harness performance

- Use digital twin
- Sensors and signals
- Higher performance resource use
- Integrated digital transactions
- Information governance

Adaptive Feedback

Engaged stakeholders

- Citizen participation
- Crowdsourced continual improvement
- Civic communication and accountability
- Education, wellness, arts
- Global influence

1 | Four Pillars of a Smart City

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Future-ready Outcomes

To what purpose?

- Measurability
- Macroeconomic performance
- New metrics for the human condition
- Ownership and governance of privacy

Holistic Planning

Getting it right

- Model of the land, air, and water
- Demographic and socio-cultural patterns
- Results of case studies
- Iterative cost models

Intelligent Systems

Harness performance

- Resource efficiency
- Behavioral patterns
- Investment returns
- Fintech

Adaptive Feedback

Engaged stakeholders

- Citizens as consumers
- Adaptation to actual use
- Transparency
- Blockchain for security and
- equity building

2 | Implications for Data

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We can now create nimble frameworks that harness the unpredictable, but we should always start and end with the unchanging human dimensions.

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