

Smart cities need thick data not big data?

Rethinking science and innovation in the era of datification
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Smart Citizen - Sensores ciudadanos

Fab Lab Barcelona



FINISHED
Opt. 20 / 09 / 2012
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€ 13.748

Optimum
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Minimum
€ 8.938

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Smart Citizen Kit 1.0 and 1.1 firmware for the Urban Sensor Board <http://smartcitizen.me/>

smartcitizen sensor-board hardware

301 commits 8 branches 11 releases 10 contributors GPL-3.0

Branch: master New pull request Find file Clone or download

Commit	Message	Time
pral2a	Delete LICENSE.txt	Latest commit 0247186 on Aug 22
data	Custom backend example	4 years ago
enclosure	Dummy Base Plate	2 years ago
hardware	Create LICENSE	4 months ago
sck_beta_v0_8_7_SDCARD	SD docs	4 years ago
sck_beta_v0_9	Minor feedback improvements	2 years ago
utilities	Added screenshot to readme	3 years ago

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Manifiesto-Lab-Bcn
SmartCitizen Kit 1.1
3 years ago
Barcelona, Spain
OFFLINE OUTDOOR BARCELONA

62.1 dB noise 18.6 °C air temperature 47.9 % humidity 281.9 Lux light 89.4 kOhm no2 498.8 kOhm co 18 networks



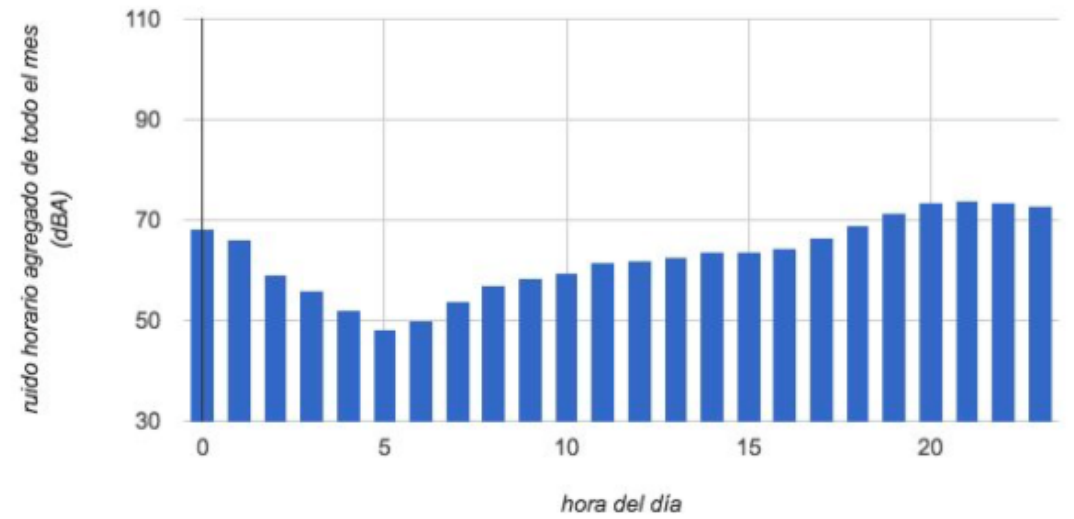
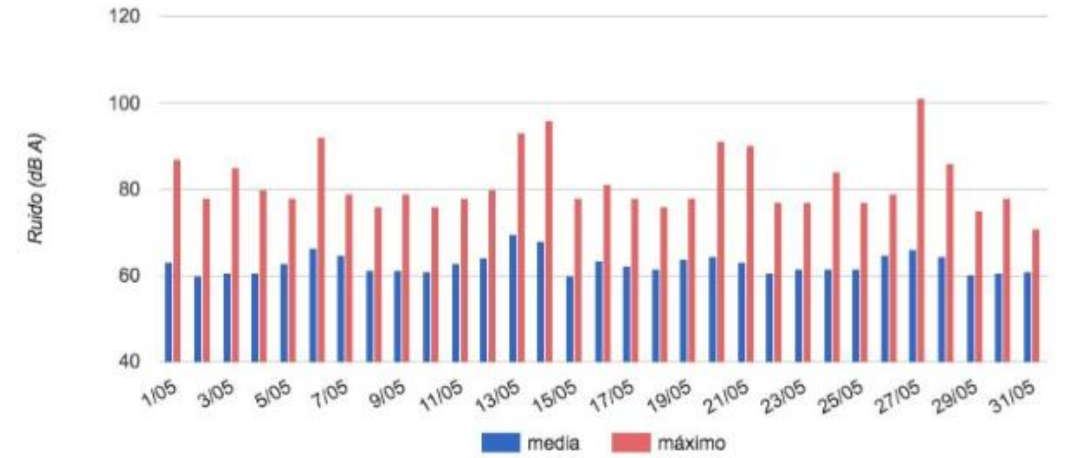
Source: Making Sense



Source: Making Sense



Source: Making Sense





Some observations ...

- Technology does not in itself solve problems, e.g. Smart Citizen Kit, Sentilo sensor network
- Nor is it sufficient to open data about cities – data has to be put to work by people in places
- Data is not neutral – the way it is gathered, validated and interpreted influence the facts of the matter (Sentilo cf Making Sense : data points cf. life in the square)
- Data has to become ‘thick’ with social meaning: re-contextualised by people who mobilise it to move things and activity – blended into knowledge
- Community participation in technology made their data ‘thick’
 - An individual nuisance became a collective issue
 - Face-to-face work underpinned the online platform and put it to work
 - Codifying something people already knew built confidence and gave voice
 - Technology use heightened demand for old-fashioned community development
- But, the noise nuisance persists ...
 - Other kinds of knowledge are needed, such as social anthropology of the *botellón* and people’s rights
 - Some groups more powerfully positioned than others (leisure economy) – institutional power
 - Technology cannot substitute for conflict management, negotiating rights and responsibilities, and democratic politics of convivial uses of space

Thanks!

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<http://www.sussex.ac.uk/profiles/16347/research>

The screenshot shows the top of the Guardian website with the 'Support The Guardian' banner and navigation menu. The main article is 'Smart cities need thick data, not big data' by Adrian Smith, dated Wed 18 Apr 2018. The sub-headline reads: 'In Barcelona, high-tech data platforms generate demand for old-fashioned community development.' The article features a photo of a busy street scene in Barcelona. To the right, there is a sidebar with the slogan 'Editorially independent, open to everyone' and a 'Support The Guardian' button. Below that, a 'most viewed in US' section lists two live news items: 'Live Brexit: Tyranny' row as peers backing no-deal Cooper bill win first victory in Lords - live news' and 'Live Mueller report was more damaging than Barr revealed, officials say - live'.

The screenshot shows the top of the Guardian website with the 'Support The Guardian' banner and navigation menu. The main article is 'Tooling Up: Civic visions, FabLabs, and grassroots activism' by Adrian Smith, dated Sat 4 Apr 2015. The sub-headline reads: 'Making is political. What happens when city authorities get involved?' The article features a photo of a person's face integrated into a complex wooden structure. To the right, there is a sidebar with the slogan 'Editorially independent, open to everyone' and a 'Support The Guardian' button. Below that, a 'most viewed in US' section lists two live news items: 'Live Brexit: Tyranny' row as peers backing no-deal Cooper bill win first victory in Lords - live news' and 'Live Mueller report was more damaging than Barr revealed, officials say - live'.