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An IBM Business!!!



our mission never changed:

provide weather for all

- Cultivate a **global neighborhood** of citizen meteorologists sending data from their backyard weather stations
- 2. Provide hyper-local weather forecasts, current conditions, and history by feeding the data from nearly 200,000 local stations into the models provided by our meteorologists
- Make it available to everyone, not just people who happen to be near the 12,000 government provided stations, using simple and intuitive data design

Weather Underground is a website, an app, a TV show, and a data source. But most importantly, a neighborhood of passionate people who believe in weather for all.

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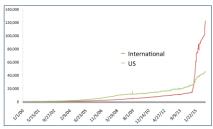
the largest PWS network in the world



- · 195k+ personal weather stations worldwide
- Earliest form of crowd sourcing via sensors
- · 27% US, 73% international
- 123k stations added in 2015

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Growing Rapidly



Big Data is Noisy





Range checks

Stuck sensor

Neighborhood cluster comparison









Visualization is Important



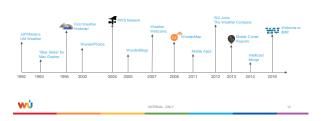


Mobile Crowd Reports

- ▲ 1-2 million reports each month
- 2 types: confirmation and hazard
- Used to corroborate observations and share reports of hazardous weather
- Huge potential in developing world
- Integrity challenges



an early innovator, challenging conventions



How WU PWS network works

