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We live in a truly remarkable time...

10 years ago

- Our phones didn't take pictures, videos
- Buying shoes on the internet was weird
- Carrying a stack of maps was normal

Today we expect

- Instant, customized news
- Real time traffic and mapping
- Car service on demand
- One-day shipping
- Fitness trackers

**We have seen a technology
revolution take place in our lifetime**

The foundation of that revolution is:

DATA

- Internet of Things
- Genomic & Precision Medicine
- Data Science, Machine Learning, & AI
- Autonomous vehicles

The mission of the U.S. Chief Data Scientist:

**To responsibly unleash the power
of data to benefit all Americans**

**A technology is neither radical
nor revolutionary unless it
benefits everyone**

This year

11.4 million Americans go through ~3,100 jails

They will stay an average of 23 days

95% will not go on to prison

Who pays for that?

Cook County Jail

90 acres of jail

Cell phones don't work for miles

1/3 of inmates have mental health issues

Where's the technology revolution?

White House Data-Driven Justice Initiative



White House Police Data Initiative



**We have to make technology
work for us not against us**



What's holding back a solution?

a database...

... 1000's of databases

**White House
Precision Medicine Initiative
& Cancer Moonshot**

What does makes *America* great?







PRESIDENTIAL
INNOVATION FELLOWS



@InnovFellows

Do Not Remove
Lecture 107
10:00 AM

Freedom





















THE WHITE HOUSE

I PLEDGE TO BE AN ACTIVE
AMERICAN
TO SHOW UP FOR OTHERS
TO GOVERN MY SELF
TO HELP GOVERN MY
COMMUNITY
I RECOMMIT MYSELF TO MY
COUNTRY'S CREED TO CHERISH
LIBERTY AS A RESPONSIBILITY

I PLEDGE TO SERVE
AND TO PUSH MY COUNTRY:
WHEN RIGHT, TO BE KEPT RIGHT;
WHEN WRONG, TO BE SET RIGHT
WHEREVER MY ANCESTORS AND I
WERE BORN, I CLAIM AMERICA
AND I PLEDGE TO LIVE LIKE A
CITIZEN

A REMINDER FROM JAKE BREWER

3

core
principals

People >> Data

Data is a force multiplier

The time to engage is now

THE WHITE HOUSE

- Dream in years
- ~~Plan~~ Plan in months
- Evaluate in weeks
- Skip Daily

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 - Prototype for 1x
 - Build for 10x
 - Engineer for 100x

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- What's required to cut the timeline in $\frac{1}{2}$
 - What needs to be done to double the impact



THE WHITE HOUSE

I PRIDE TO BE AN ACTIVE AMERICAN, TO HEAR OF OUR CITIZENS' SUCCESS, MY WILL TO HELP GOVERN MY COUNTRY, I WILL COMMIT MYSELF TO MY COUNTRY, I WILL TO CARRY MY RESPONSIBILITY AS A RESPONSIBILITY

I PRIDE TO SERVE AND TO FIGHT MY COUNTRY, WHEN RIGHT, TO BE SET RIGHT, WHEN WRONG, TO BE SET RIGHT, WITH HONOR, MY ANCESTORS AND I WILL SERVE, I WILL SERVE AND I WILL SERVE TO MY COUNTRY

A MESSAGE FROM THE WHITE HOUSE