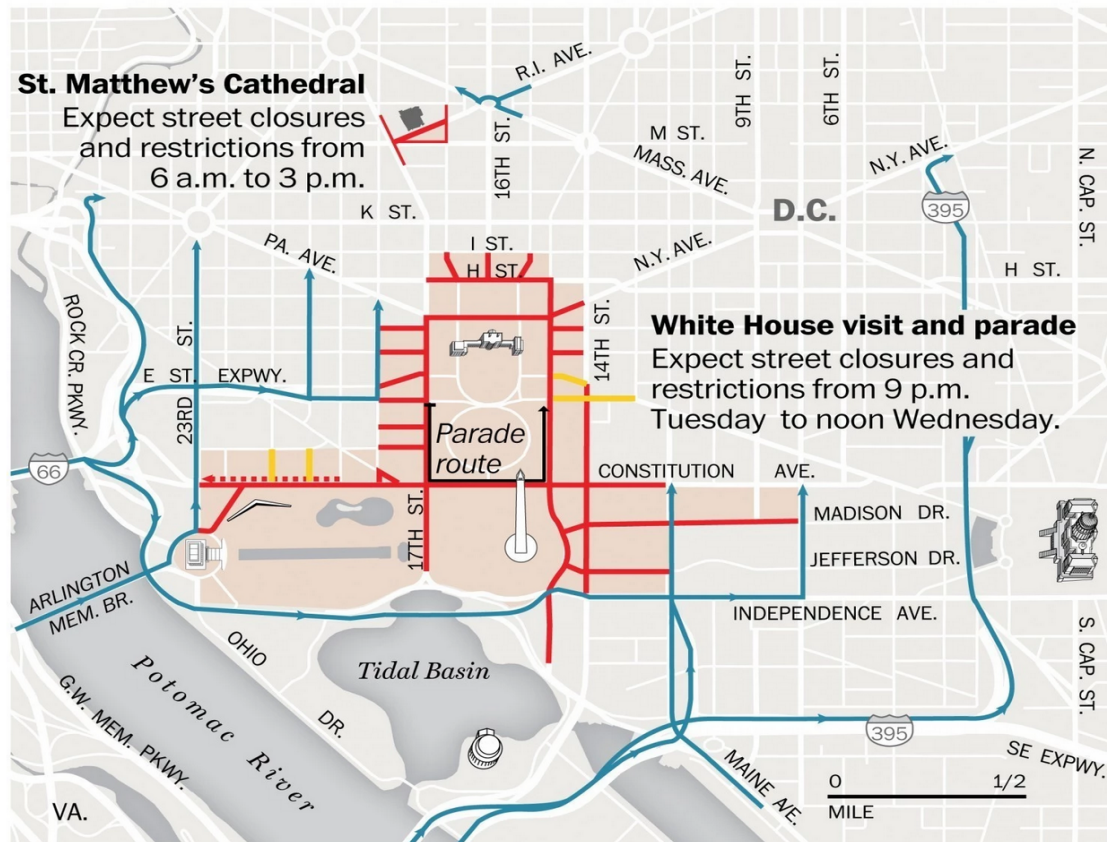# Downtown: Wednesday, Sept. 23

**Legend:**
- Closure zone
- Street closure
- One way west-bound only
- Authorized access only
- Alternate routes

**St. Matthew's Cathedral**
Expect street closures and restrictions from 6 a.m. to 3 p.m.

**White House visit and parade**
Expect street closures and restrictions from 9 p.m. Tuesday to noon Wednesday.

*Parade route*

R.I. AVE.

16TH ST.

9TH ST.

6TH ST.

M ST.

MASS. AVE.

N.Y. AVE.

D.C.

N. CAP. ST.

395

H ST.

K ST.

PA. AVE.

I ST.

H ST.

N.Y. AVE.

ROCK CR. PKWY.

23RD ST.

E ST. EXPWY.

14TH ST.

17TH ST.

CONSTITUTION AVE.

MADISON DR.

JEFFERSON DR.

INDEPENDENCE AVE.

66

ARLINGTON MEM. BR.

OHIO DR.

Tidal Basin

Potomac River

G.W. MEM. PKWY.

MAINE AVE.

395

S. CAP. ST.

SE EXPWY.
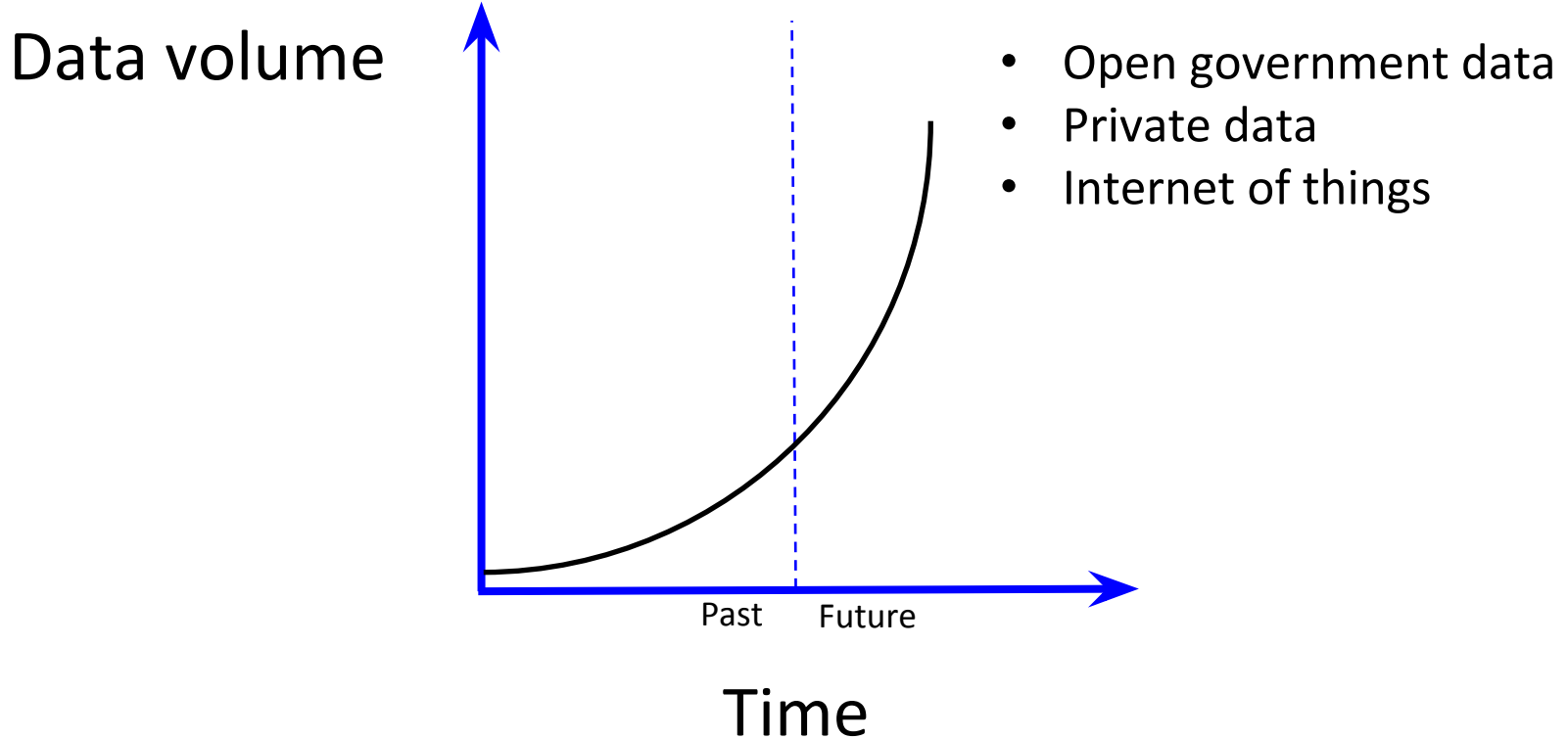
VA.

0        1/2
MILE

Summary

We're at a tipping point of reaping huge benefits from the data revolution.

How quickly we reap these benefits depends on how quickly we:
- Make data accessible,
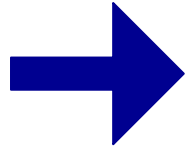- Invest in our ability to analyze data.

# Accessible Data Over Time

Data volume

- Open government data
- Private data
- Internet of things

Past  Future

Time

# Data to Outcome Model, Simplified
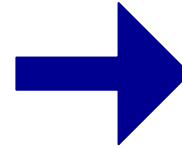## (DOMS)

### Data

- Good data (integrity, documented)

- Common formats and standards

- Easy to find

- Able to merge into other data -- merging can add huge value.

### Analysis of Data

- Software tools (getting better all of the time)

- Hardware (getting better and cheaper)

- **Human capital** (data scientists, programmers, experts in the field)

### Better Outcomes

- Smarter governments (federal, state, and local)

- More competitive businesses

- More informed citizens

# Department of Commerce Data Accessibility Efforts

Data

- Good data (integrity, documented)

- Common formats and standards

- Easy to find

- Able to merge into other data -- merging can add huge value.



Ocean, climate, and fisheries data.
Terabytes a day of new data– need to work with the private sector.



Definitive data source on our economy and international transactions.  Data is complicated and hard to find.



Definitive data source on our people and communities.  Data hard to find.



Definitive data source on patents and innovation.
More data needs to be released in better formats

# Analysis of Data

Analysis of Data

- Software tools (getting better all of the time)

- Hardware (getting better and cheaper)

- **Human capital** (data scientists, programmers, experts in the field)

Human capital

- Data analysis and processing using fairly sophisticated computer technology are central to 10.3 million private and public sector jobs.

- Over the past ten years, data jobs have grown 4 times faster than the rest of the private sector, adding 1.8 million jobs representing 31 percent of total private sector job growth.

- Jobs in the data sector pay on average $40/hour, 68% more than the average private sector job.

# Better Outcomes

Better Outcomes

- Smarter governments (federal, state, and local)

- More competitive businesses

- More informed citizens

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- Smarter governments
  - Potential big improvements from combined/merged data in the areas of health, criminal justice, and veterans.

- More competitive businesses
  - Productivity growth has been low
  - Will it pick up?

- So how much can data improve outcomes?
  - Estimates vary
  - 1% of GDP = $175 billion, $543/person
  - 5% of GDP = $875 billion, $2,726/person

Repeat

We're at a tipping point of reaping huge benefits from the data revolution.

How quickly we reap these benefits depends on how quickly we:

- Make data accessible,
- Invest in our ability to analyze data.