



# THE ECONOMICS OF (BIG) DATA

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# The Economics of (Big) Data

I What about Data?

II What about Economics?

III What about Economics of Data?

IV What about Privacy?

V What about Data Governance?

VI The Importance of Economics of (Big) Data

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**VI** The Importance of Economics of (Big) Data

# What is Data?

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Data truly is ...



01

... a **set of values**  
of **subjects** with  
respect to  
**qualitative**  
or **quantitative**  
**variables.**

02

... how we  
**express**  
**observation** in  
**reusable form.**

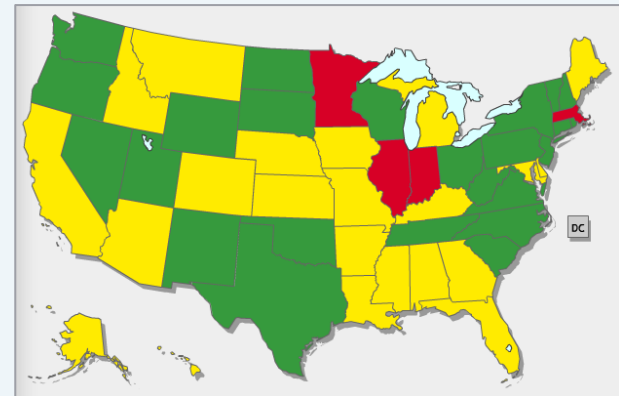


**Example: Sales by State**  
(in thousands) – YTD

State	Estimated Sales Volume (thousands)	Estimated Margin Dollars (thousands)	As a Percentage of Sales Volume	Reported State Revenue (thousands)	As a Percentage of Sales Volume
Alabama	9,407,662	556,288	5.91%	619,628	6.59%
Florida	27,989,966	1,409,475	5.04%	2,233,129	7.98%
Georgia	17,592,770	846,439	4.81%	934,175	5.31%*
Kentucky	8,373,641	446,225	5.33%	563,168	6.73%
Mississippi	6,062,489	363,781	6.00%	431,432	7.12%
North Carolina	14,963,345	717,689	4.80%	1,654,346	11.06%
South Carolina	8,491,004	450,971	5.31%	531,916	6.26%
Tennessee	11,081,297	592,445	5.35%	849,662	7.67%
Virginia	13,897,635	906,978	6.53%	926,932	6.67%

Source: Calculated from U.S. Department of Transportation and Oil Price Information Service data.

\*Including Georgia's 1 percent general fund sales tax increases revenue as a percentage of sales to 6.3 percent.



# Why is Data Important?





## Why are data not the new oil?



Plenum  
Discussion



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# Characteristics of Data

