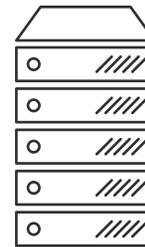
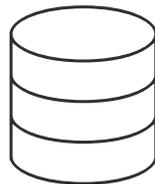
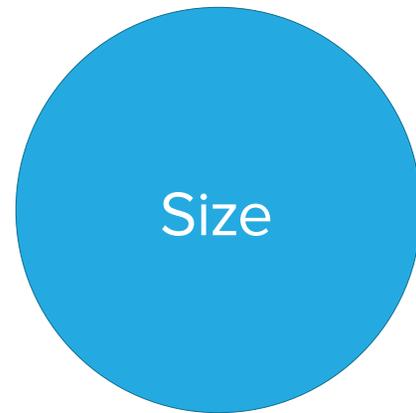


# Big Data in Transit

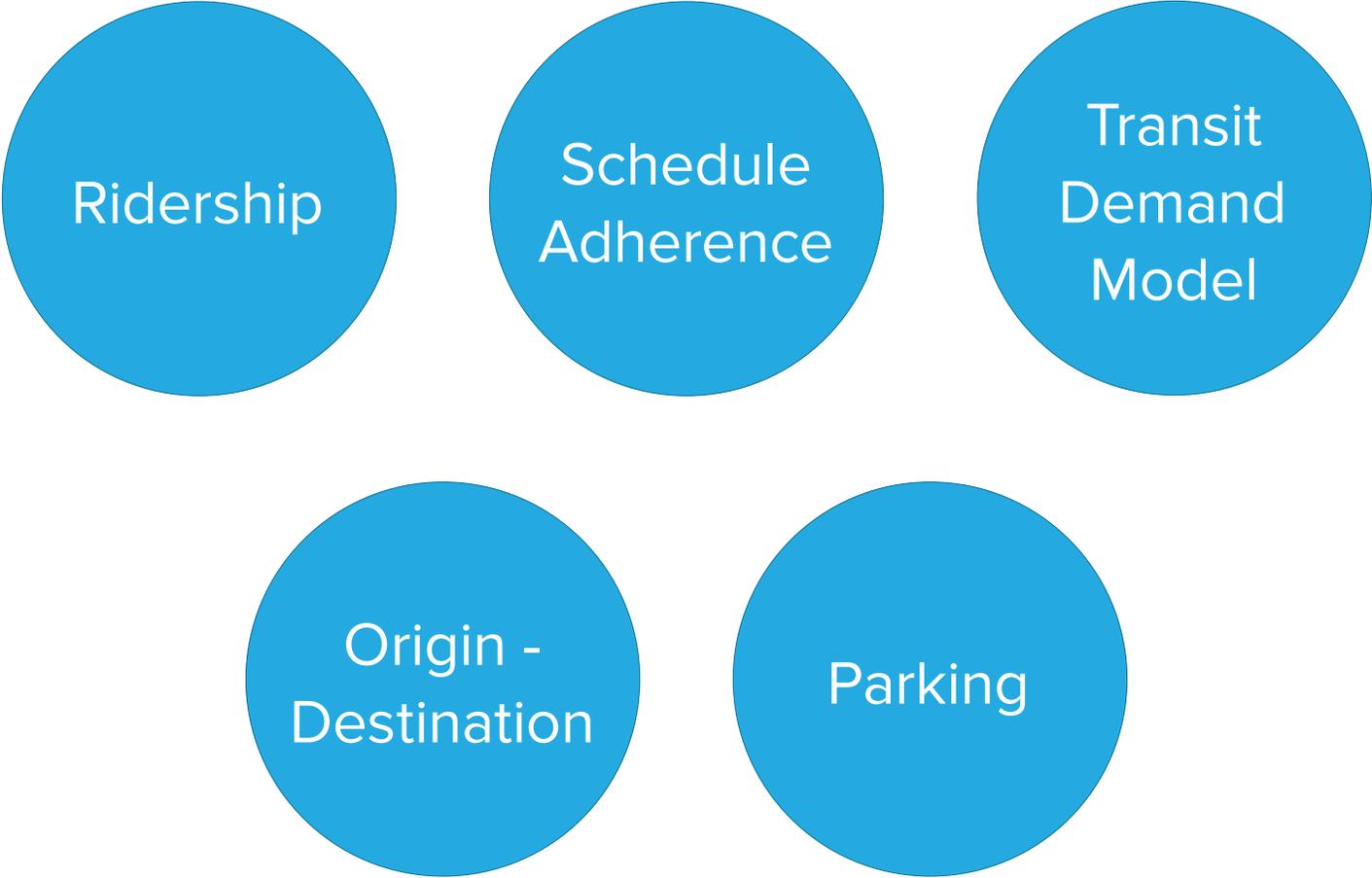
Are our Heads in the Clouds?

TRANSITLABS

# What is Big Data?



# What is Big Data in Transit?



Ridership

Schedule  
Adherence

Transit  
Demand  
Model

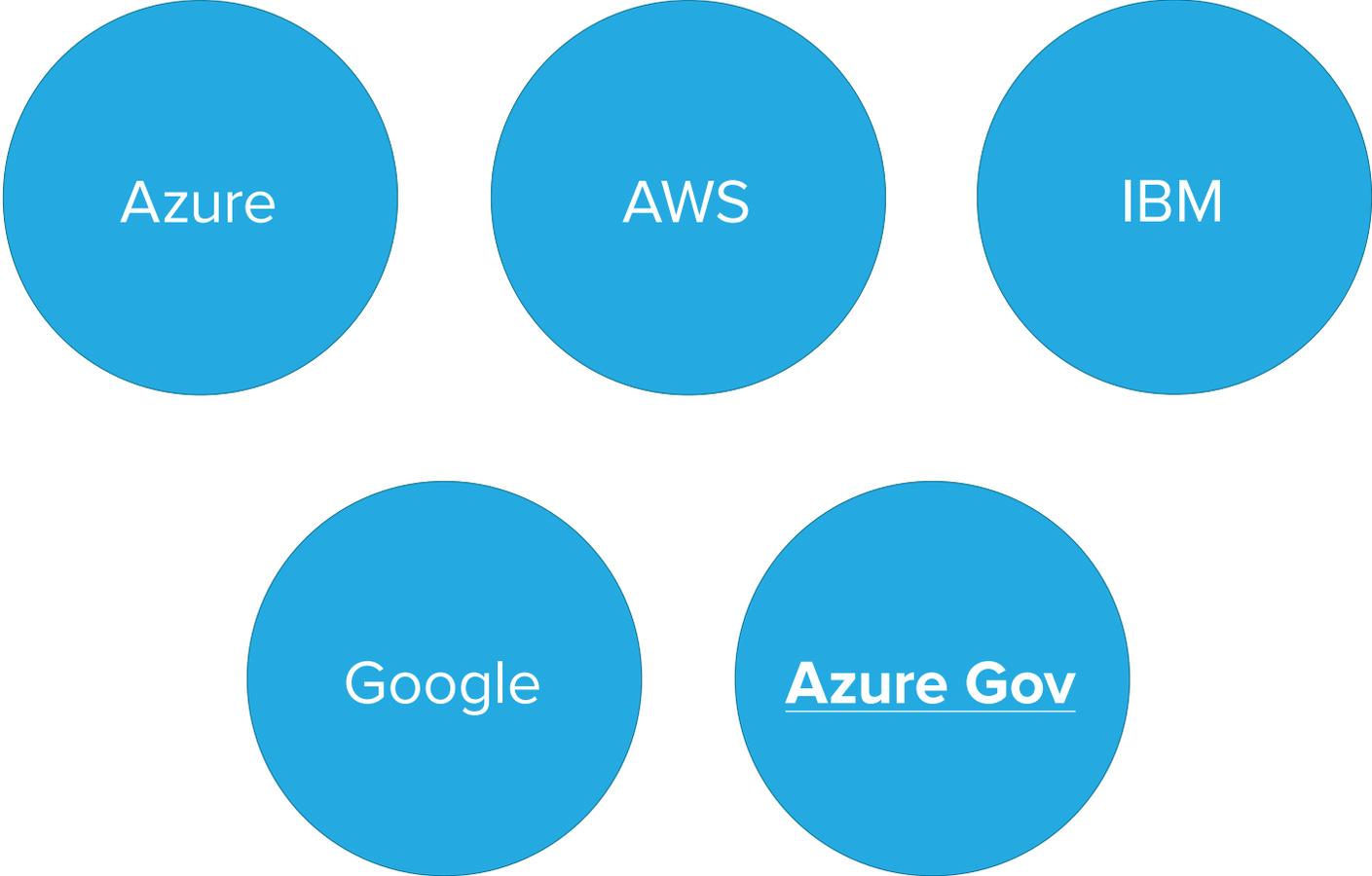
Origin -  
Destination

Parking

# What is not Big Data?



# What's in the Clouds?



Azure

AWS

IBM

Google

Azure Gov

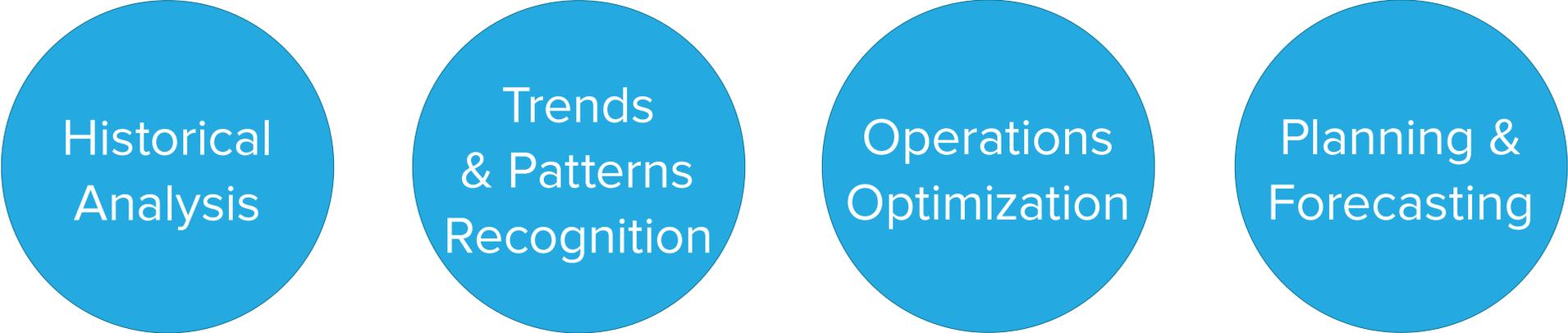
# Costs



Storage

Transfer /  
Bandwidth

# What can I do with this Big Data?



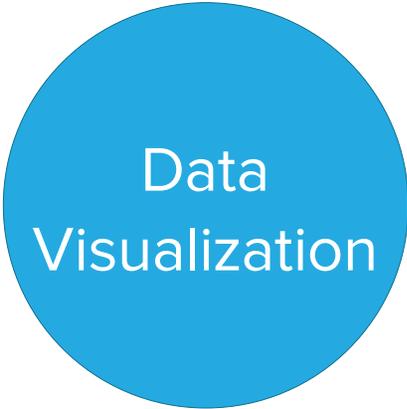
Historical  
Analysis

Trends  
& Patterns  
Recognition

Operations  
Optimization

Planning &  
Forecasting

# That was easy.



Data  
Visualization

Big data is useless  
without Data  
Visualization.



Agile  
Standardization

Data Visualization must  
be standardized, and yet  
at the same time, agile.



Maximize  
Value

Value can only be  
fully realized through  
Performance-based  
Management.

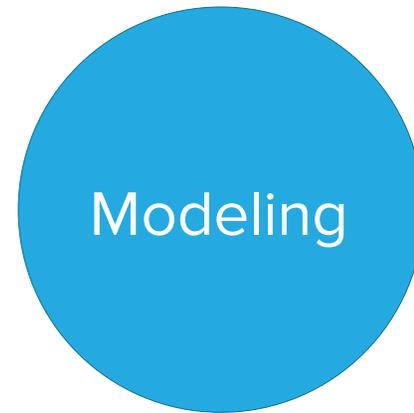
# Who benefits from big data?

Everyone.



**Service Planning**

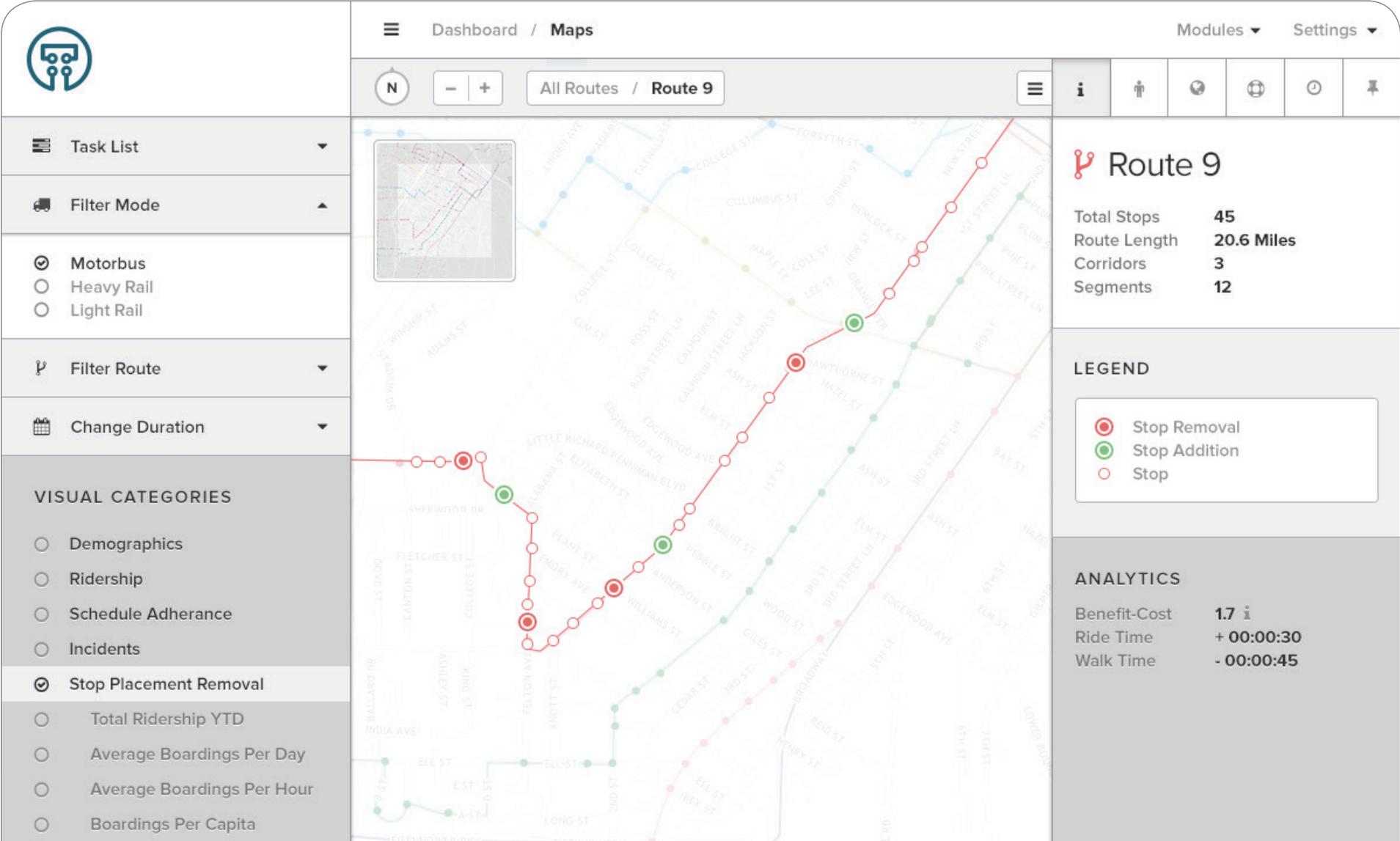
**System Expansion /  
Contraction**



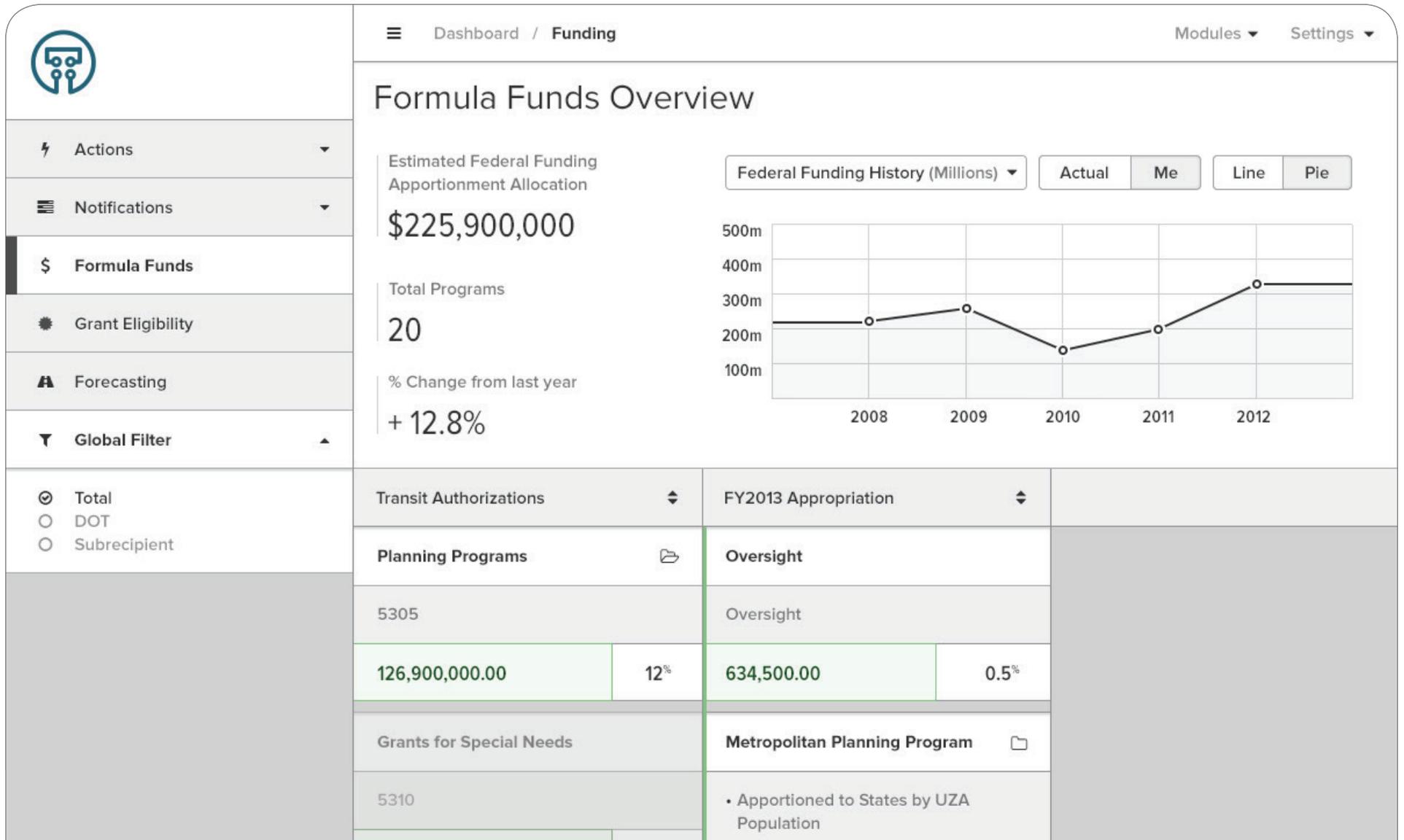
**Financial Modeling for  
Capital Investments**

**Funding Allocation &  
Apportionment**

# How we do Ops



# How we do Budgets

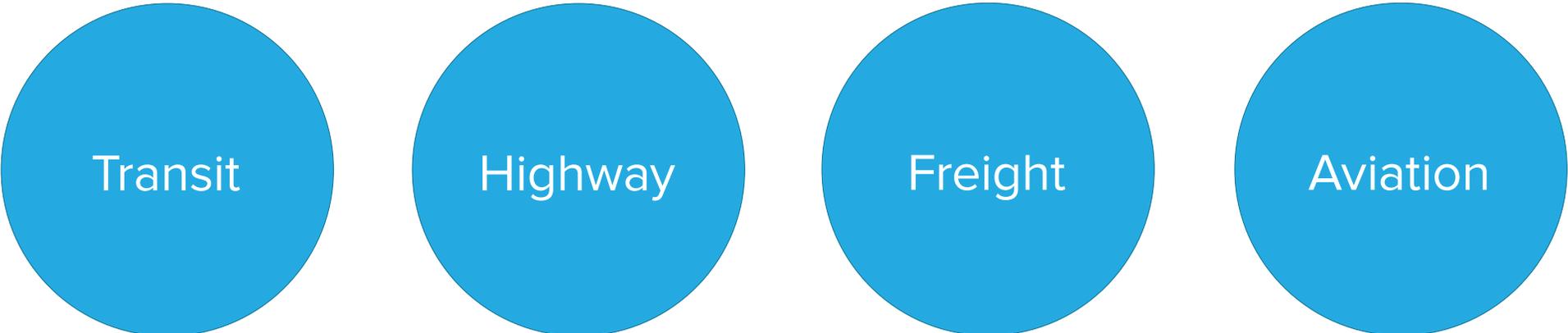


# How we do Modeling

	Dashboard / Funding		Modules ▾ Settings ▾	
⚡ Actions ▾	<h2 data-bbox="596 581 842 630">Forecasting</h2>  <div data-bbox="1010 678 1934 776"> <p>Actual Federal Funding: \$302,042,000</p> <p>Forecasted Federal Funding: \$552,644,500</p> <p># Forecasted: 1</p> </div>			
☰ Notifications ▾				
\$ Formula Funds				
⚙ Grant Eligibility				
<b>A</b> Forecasting	Criteria of Federal Funding	Actual	Forecast	Note
	Population	2,432,020		
	Passenger miles traveled	30,203,203	50,000,000	
<b>T</b> Global Filter ▾	Vehicle revenue miles	232,323,232		
<input checked="" type="radio"/> Total <input type="radio"/> DOT <input type="radio"/> Subrecipient				

# Transportation Verticals

Can **Data Analytics** & **Data Viz** be standardized across all modes?



Transit

Highway

Freight

Aviation



TRANSITLABS

1133 15th Street NW Floor 12  
Washington, DC 20005  
[www.transitlabs.com](http://www.transitlabs.com)  
202-750-0827