Advanced Visualization Techniques for CFS Microdata
Hidden Insights, Utile Applications

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Commodity Flow Survey

- Conducted by Census Bureau and Bureau of Transportation Statistics
  - Statistics about the movement of goods in the US
- Requisite skills
  - Advanced data visualization techniques
Commodity Flow by CFS Areas

- What is the value/tonnage/ton-miles of all shipments in each specific CFS Area?
- What commodities are shipped from or to a CFS area?
- In each state, what CFS areas have the most commodity movements?
- What are the top commodities moved by a specific mode?
- What is the value/tonnage/ton-miles of all shipments moved by a specific industry?
Commodity Flow by State

United States Department of Transportation
Bureau of Transportation Statistics
Hazardous Material (Hazmat)
List of Visualization Techniques Used to Create These Visuals

- Creating Dynamic Groups and Sets
- Creating Parameters
- Controlling Sets by Parameters
- Creating Table Calculations and Calculation Fields
- Creating Multiple Joins
- Creating Level of Detail Calculation
- And ...
Thank You

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