1067-O1-1407   **Carl L Moravitz*** (`moravitz@us.ibm.com`), 8921 Garden Stone Lane, Fairfax, VA 22031. *The Strategic Use of Analytics in Government Is A Powerful Resource In Achieving Federal Missions.*

Budgeting optimizes acquisitions of the right resources at the right place at the right time to ensure they are consumed at the right rate to satisfy identified demand. Spending for everything-frontline production of products, defense mobilization, biomedical research, education"and revenues from every source-are all reflected, recorded, and battled over in numbers. The sum of those numbers, and who gets how much, is all wrapped up in Government budgeting world. How are successful managers dealing with "information overload?" One technique is through strategic use of analytics. "Analytics" is the extensive use of data, statistical and quantitative analysis, explanatory and predictive models, and fact-based management to drive decisions and actions. When used together, analytics and fact-based decision-making can make a powerful contribution to the success of a wide range of government missions. Government has had real success in the implementation of data analytics in areas of health care fraud, military troop forecasts and population ratios, tax collection and debt management, and intelligence assessments. Breakthroughs in technology, modeling, and optimization sciences make it possible to do more, and focus intensively on results, metrics, and cost management. (Received September 20, 2010)