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**2023 AGA Datathon Abstract Submission**

Team Name:

Data Noobs

Team Members:

* Elina Paraschou, MS Analytics at American University
* Kritika Goyal, MS Analytics at American University
* Nabila Nishat Raisa, MS Analytics at American University
* Aatsend Lkhagvadorj, MS Analytics at American University

Application Name:

Allocation of public investments within New York State with a focus on minority/women programs and small businesses.

Application Summary:

How the distribution of federal funds in New York state is influenced by regions, programs, industries, and disbursements to date, focusing on small businesses and minority/women related programs. The analysis shows funding disparities among sectors. It highlights the need for equitable resource allocation, particularly to sectors represented by women.

50 words or less

Application Abstract:

In today's competitive market, equal distribution of public funds among industries, programs, and regions is vital to make well-informed decisions that promote economic growth and optimizes resource allocation. This analysis examines the impact of federal funding within New York state with a focus on small businesses and minority/related programs in the state, using the Database of Economic Incentives from data.gov. A multiple OLS regression analysis was performed to assess how public awards are influenced by regions, programs, industries, and disbursements to date. Hypothesis testing was conducted to diver deeper into the effects of public funding on minority/women related programs and small businesses. Our research shows a concerning trend. In both the case of minority/women programs and small businesses, the allocation of funds falls below the desired threshold. Specifically, for every additional dollar invested in small businesses, there is a decrease of $16,050 in agriculture. Women and people of color make up a significant of portion of the agriculture industry in New York. Additionally, for every dollar allocated in minority/women related programs, there is an increase of $7,154 in agriculture, which indicates the unique challenges women face in the labor market. This analysis shows the disparities in the distribution of public funds and highlights the need for more equitable resource allocation. Achieving a fair balance across these sectors is vital for promoting economic diversity, supporting minority and women programs. Addressing these disparities in funding allocation is important to foster social equity in New York state.

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