Assembly Resolution No. 320

BY: M. of A. Smith

MEMORIALIZING Governor Kathy Hochul to proclaim April 2023, as Mathematics and Statistics Awareness Month in the State of New York

WHEREAS, It is the custom of this Legislative Body to observe official months that are set aside to recognize the importance of Mathematics and Statistics to the citizens of the State of New York; and

WHEREAS, Attendant to such concern, and in full accord with its long-standing traditions, this Legislative Body is justly proud to memorialize Governor Kathy Hochul to proclaim April 2023, as Mathematics and Statistics Awareness Month in the State of New York, in conjunction with the observance of National Mathematics and Statistics Awareness Month; and

WHEREAS, The mission of Mathematics and Statistics Awareness Month is to increase the understanding and appreciation of the two subjects; both play a significant role in addressing many real-world problems such as internet security, sustainability, disease, climate change, the data deluge, and much more; and

WHEREAS, Research in these and other areas is ongoing, revealing new results and applications every day in fields such as medicine, manufacturing, energy, biotechnology, and business; and

WHEREAS, Mathematics and statistics are important drivers of innovation in our technological world, in which new systems and methodologies continue to become more complex; and

WHEREAS, Basic research in mathematics is valuable in itself, but it often contributes to research in other sciences and has often, years later, led to discoveries that affect society today; and

WHEREAS, An encryption algorithm used today in e-commerce relies on results discovered in the 17th and 18th centuries, long before computers were invented; mathematics has inspired some of the most stunning architecture and art; and

WHEREAS, In the age of big data, statistics underlies almost every decision made today, whether it is the effectiveness of a new drug or treatment or the debut of a new mobile device; statistics is how analysts convert raw data into useful information, from studies of proteins to surveys of galaxies; and

WHEREAS, Research in statistics and the mathematical sciences is important for its applications and because it trains one in critical thinking and problem solving; and

WHEREAS, From magic squares and Mobius bands to magical card tricks and illusions, mysterious phenomena with elegant "Aha!" explanations

have been part of both subjects for centuries; and

WHEREAS, It is imperative that all New Yorkers celebrate mathematics and statistics and the diverse researchers and students in these fields who are contributing so much to furthering discoveries, solving problems, and finding beauty in our world; now, therefore, be it

RESOLVED, That this Legislative Body pause in its deliberations to memorialize Governor Kathy Hochul to proclaim April 2023, as Mathematics and Statistics Awareness Month in the State of New York; and be it further

RESOLVED, That a copy of this Resolution, suitably engrossed, be transmitted to The Honorable Kathy Hochul, Governor of the State of New York.