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The Howard University Center of Applied Data Science and Analytics (CADSA)

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Howard recognizes the rapid and exponentially expanding generation of data in all academic disciplines. This data explosion holds new and valuable insights into long standing and intractable societal problems. The Howard University Center of Applied Data Science and Analytics (CADSA) positions Howard as a major hub of data science research and training while solidifying its tradition as an important contributor to the resolution of problems confronting local, national, and global societies, such as the alarming rate of opioid- and stimulant-related deaths which have risen in Black Americans to more than three times the rate seen among non-Hispanic white people. CADSA will expand to provide infrastructure for large data studies integrating social, economic and epigenomic data needed to address such problems. CASDA expands and enhances data science research and instruction at Howard University in the following areas: 1) Minority health & health disparities, 2) Social justice, 3) Environmental justice, and 3) Economic empowerment. Collectively, these broad umbrella areas encompass all sectors of the Howard University community. Two priority initiatives of CADSA are the launch of the master's degree in Applied Data Science and the cluster hiring of multidisciplinary Data Science faculty. The master's degree in Applied Data Science program is designed to combine the technical skills of data science training with the social consciousness and sensitivity to use and apply those skills to ensure that technical advances are equitably shared among all segments of society.