Data Science Prospects

Prospect	Alignment
Gordon and Betty Moore Foundation	Moore created the Data-Driven Discovery Initiative six years ago, ahead of the explosive growth in data-driven research seen today. There were many lessons along the way, including the value of investing in tools and software for the future of data-driven research. The foundation extended its investment in data-driven research through 2021, making an additional $20 million in grants that concentrate on developing data science tools for the natural sciences. Through the Data-Driven Discovery Initiative, we have supported people who create new ways to apply data science to the natural sciences, producing both data-driven discoveries and new methods of scientific research. During this final extension of the initiative, we will build on these efforts and focus on tools that have broad impact in the life and physical sciences. Unsolicited grant proposals are not accepted
Alfred P. Sloan Foundation	Sloan aims to support the efficient management and sharing od research data and code from acquisition through analysis and grow the current and future scientific data work force. Grants in this program tend to fall into four broad types: - Software Grants to support technology development ranging from prototyping funds to substantial scaling resources - Training grants aimed at supporting work force training and curricular initiatives as well as targeted adoption of new technologies by specific communities - Research Grants to bring historical, ethnographic, and economic research methods to bear on our understanding of scholarly activities in a changing technological context - Community grants to build networks for knowledge exchange across disciplines as well as institutions that serve to incubate sustainable research and software projects Interested scholars should submit a letter of inquiry of no more than two pages to program director Joshua M. Greenberg.
Robert Wood Johnson Foundation	Better Data for Better Health Robert Wood Johnsons supports multiple efforts to leverage health data to advance efforts to achieve better health. With partners across the public, private and nonprofit sectors, we are working to expand the potential for data to illuminate health gaps in communities, and areas where action is needed. The more communities take advantage of the many forms of health data now available, the better they can target resources to assure everyone has a fair and just opportunity for health. The foundation has quarterly call for proposals for their Health Data For Action program which supports research that uses data to answer important research questions. The HD4A program further aligns with RWJF efforts to engage the health care sector in promoting population health and broader policy considerations. With greater access to health data, including data from delivery systems as well as health information technology, researchers can better answer important questions to build a Culture of Health and inform health policy. HD4A aims to reduce the barriers often faced in accessing rich data by serving as a conduit between data owners and interested researchers. Through each HD4A call for proposals (CFP), RWJF will make valuable data from unique data owners available to researchers.
Rockefeller Foundation	In 2019, The Rockefeller Foundation and the Mastercard Center for Inclusive Growth announced a joint, $50-million investment over five years to build the field of data science for social impact through a transformational model for collaborative philanthropy. Building on The Rockefeller Foundation's leadership in social impact and the Mastercard Center for Inclusive Growth's innovative approaches to data philanthropy, the collaborative will identify key priorities and investment opportunities to accelerate data for good, whether that be research, skills or new technology platforms. By growing the data science capabilities of social and civic organizations, Data Science for Social Impact can help local leaders uncover new insights and trends from their data and build more impactful programs for the communities they serve. The Data Science for Social Impact funders are proud to invest in projects and activities that advance the field including: Creating smarter ways for people to access essential benefits & services via Benefits Data Trust Improving college success through predictive modeling Using data & AI in the service of community health workers Machine learning to help rural households access electricity Does not have an open call for proposals at this time
Bloomberg Data Science Research Grant Program	Bloomberg invites academic researchers worldwide annually to apply for unrestricted gifts that support research in data science, typically focusing on natural language processing, information retrieval, machine learning, and crowdsourcing. We also invite proposals for the creation of, or contributions to, open source software used for data science. Faculty members, research scientists, and post-doctoral fellows at universities worldwide are eligible to serve as Principal Investigators (PIs). A PI can lead one proposal per cycle, but can serve as co-PI on other proposals. Applications typically open annually around March or April.
Adobe Data Science Research Awards	Twice a year, Adobe funds a university faculty research program to promote the understanding and use of data science in the field of marketing. The goal is to encourage both the theoretical and empirical development of solutions to some of marketing's biggest problems. Adobe will provide funding support of up to $50,000 to a North American academic institution, college, or university for each selected research proposal. These proposals will address an area of interest relative to Adobe Experience Cloud, focused on giving companies everything they need to drive brand growth and orchestrate amazing customer experiences. Topics for research include, but are not limited to, the following areas: Analytics Cloud, Marketing Cloud, Advertising Cloud, etc. Deadlines are typically in August.
Amazon Web Services Machine Learning Research Awards	The AWS Machine Learning Research Awards (MLRA) assists faculty, PhD candidates, and graduate students with research to advance the frontiers of machine learning (ML) and its application across a wide range of problems---from finding new therapies for cancer to solving climate change and exploring outer space. MLRA provides eligible researchers and university programs cash awards and AWS Promotional Credits so that they can do more faster using the most advanced compute, analytics, and machine learning tools available in the cloud. Machine learning is still in its evolutionary stage with much of the progress coming from research on innovative algorithms, better data collection and preparation methods, and newer techniques such as reinforcement learning. Until recently, lack of access to the latest compute, storage, and networking has been a blocker for ML research. MLRA solves this problem by offering unrestricted cash awards and access to cutting-edge infrastructure and managed services through AWS Promotional Credits for selected applicants. MLRA also offers award recipients opportunities to participate in AWS events and receive live one-on-one training sessions with AWS data scientists and engineers. Funding Awards are distributed at the department and project level and are structured as one-time unrestricted gifts to academic institutions. AWS Promotional Credits Awards include AWS Promotional Credits that are redeemed towards eligible AWS Services. Training We provide recipients with training resources, including tutorials on how to run machine learning on AWS and hands-on sessions with Amazon scientists and engineers. Research Seminar Award recipients are invited to a research seminar where they can discuss the progress of their work and interact with other award recipients and Amazon scientists.