4. Unveiling the True Impact of Scientific Research: Mitigating Citation Gaming for Accurate Evaluation

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We invite ambitious and forward-thinking students to embark on a groundbreaking research project focused on revolutionizing the assessment of scientific impact. Our project tackles the pervasive issue of citation gaming, where researchers engage in manipulative practices to artificially inflate their citation metrics, thereby distorting the true impact of their work.

The core objective of this research initiative is to develop a robust methodology for quantifying scientific impact that takes into account the nuances of citation gaming. Our proposed method involves creating an innovative framework to adjust citation counts, considering factors such as



self-citations and citations from sources with questionable credibility. By implementing this corrective approach, we aim to provide a more accurate and reliable evaluation of the impact of scientific research.

The implications of this research extend across the scientific community, offering valuable insights for funding agencies, research institutions, and individual researchers. An accurate evaluation of research impact is crucial for informed decision-making, resource allocation, and recognizing genuine contributions to the scientific landscape.

Students joining this research program will have the unique opportunity to contribute to the development of a methodology that addresses a critical challenge in contemporary academia. Engage in cutting-edge research, explore the intricacies of scholarly impact assessment, and be at the forefront of creating tools that will shape the future of how we evaluate scientific contributions.

If you are a student with a passion for data science, quantitative analysis, and an interest in fostering integrity in scientific evaluation, this research project offers a platform for meaningful exploration and impactful contributions. Join us in redefining how we measure scientific impact and play a pivotal role in shaping the future of scholarly assessment.