

Impact of Income on the Perceived Racial Disparity in Education

Personal Background:

One of the main reasons our group was interested in these datasets is because of the false depiction that race is a factor in academic performance. As being Asian students ourselves we were interested in this topic also because of the model minority narrative and the idea that racism and oppression doesn't negatively affect people of color in education and work environments because Asians are perceived to be smart and able to succeed. We wanted to break this narrative and dig deeper to find other underlying roots and we discovered that when comparing income by race alongside academic performance by race, the graphs showed nearly identical trends. This shows a strong relationship between the two and analyzing our datasets leads to the conclusion that lower-income students perform worse as they have less access to resources, and many other responsibilities to accommodate for. Our datasets serve as evidence and allow us to throw out biases that correlate race and academic performance without considering the other factors like income. Our goal as students with these datasets is to try to level the ground and bring equity to public education.

Principles Represented by our Dataset:

Accountability: Our datasets represent accountability as they take responsibility to mitigate biases in our public education system that race is the sole reason why students perform better. Our datasets account for the underlying factors such as income which has a direct correlation to academic performance. Our datasets take the responsibility of providing evidence that low-income students of all races need to be provided with enough resources and funding to be able to succeed and perform at the same level as privileged students.

Transparency: Our datasets are transparent in they provide detailed information on two topics: SAT scores as well as median income by household. Both datasets are understandable as they provide information such as year, different races, as well as data for some combined races as well. This makes the data clear and comprehensive as we can compare data throughout the years in both datasets as well as compare data within different races of peoples.

Fairness and Non-Discrimination: One of the main reasons we decided to choose our datasets was with the intention of bringing fairness, non-discrimination, and equity to the public education system. We chose our datasets because they lead to the conclusion that there is a direct relation between income and academic performance throughout all races and breaks the narrative of just race correlating to higher academic performance.

Professionalism Responsibility: Our datasets call out on the professionalism responsibility of public education systems in providing equity to all students and supporting all students with the necessary resources to succeed. In addition we also have a professional responsibility to utilize the datasets for the right intention and not misuse the data leading to untruthful conclusions.

Promotion of Human Values: Our datasets' primary goal is to promote humanity's well-being by mitigating biases that only correlate race to higher academic performance without considering other factors like income. We want our datasets to serve as evidence to bring equity to the public education system so that every student has the necessary resources to perform at the same level.

Alert Count	6
Completeness	1
Self-reported	1
Provenance	1
Misrepresentation	1
Collection	1
Inaccurate Prediction	1
Description	0
Composition	3
Racial Bias	1
Socioeconomic Bias	1
Confidential Data	1