

# AI Bias in Image Generation

Has society reflected itself onto AI?

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# Algorithmic Oppression

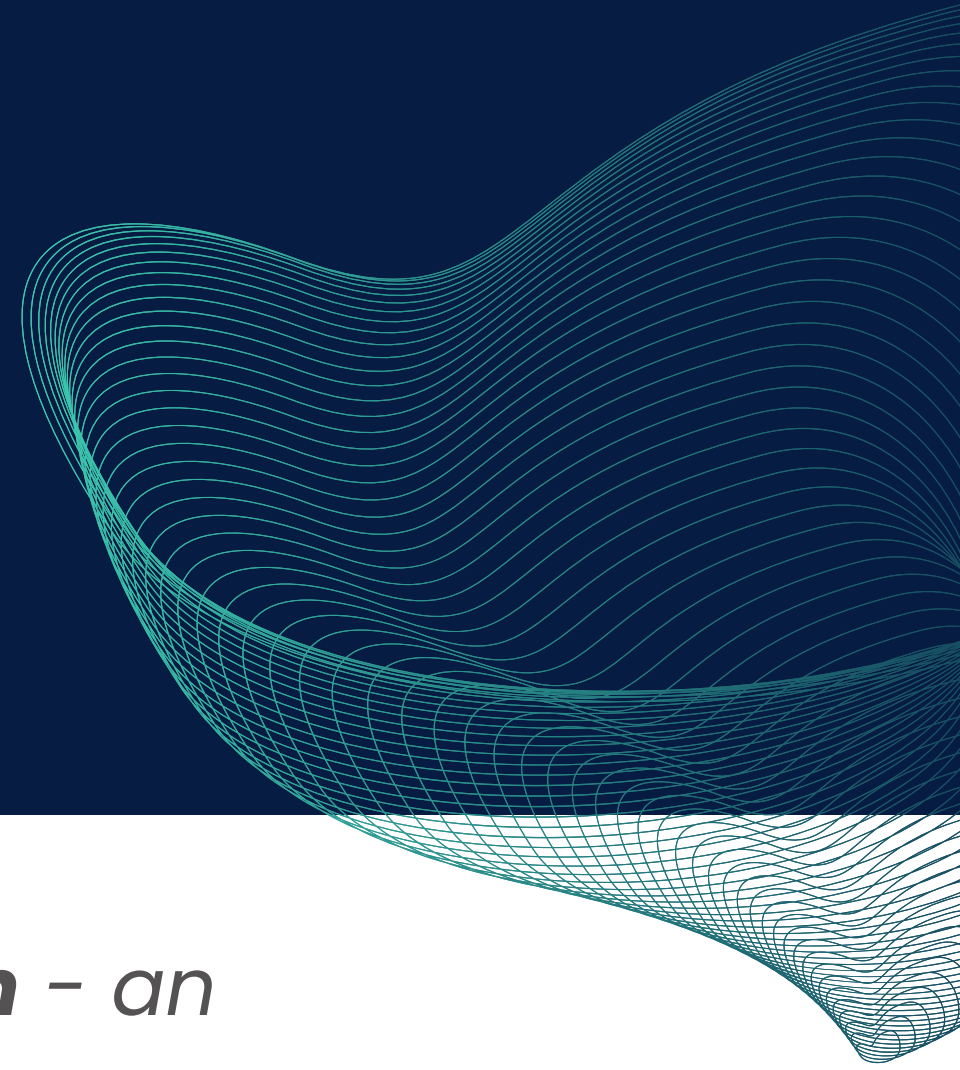
Do we influence AI to have a bias? Yes.

AI shows bias thanks to "Algorithmic Oppression". It uses this system to import stereotypes and biases in its data. Meaning that AI has discrimination and bias because it learns from society.

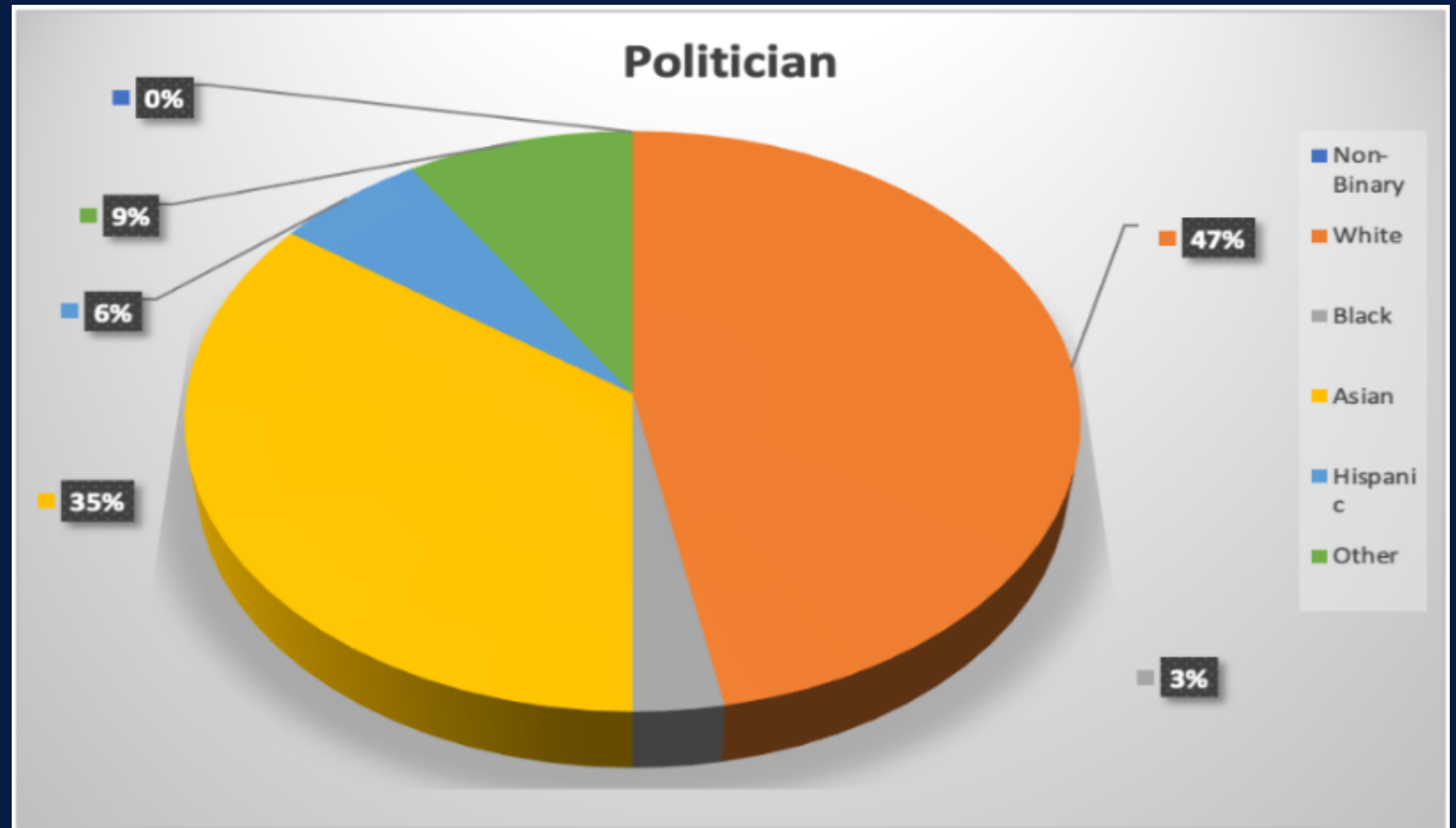
This is why you might get **stereotypical** and **unrealistic** images when searching broad terms.

***Algorithmic Oppression*** – an automatic system that reads laws, institutional rules, implicit biases, stereotypes and social norms

There are many examples of this in AI facial recognition and image generation. Results produced by algorithmic oppression can be **inaccurate.**



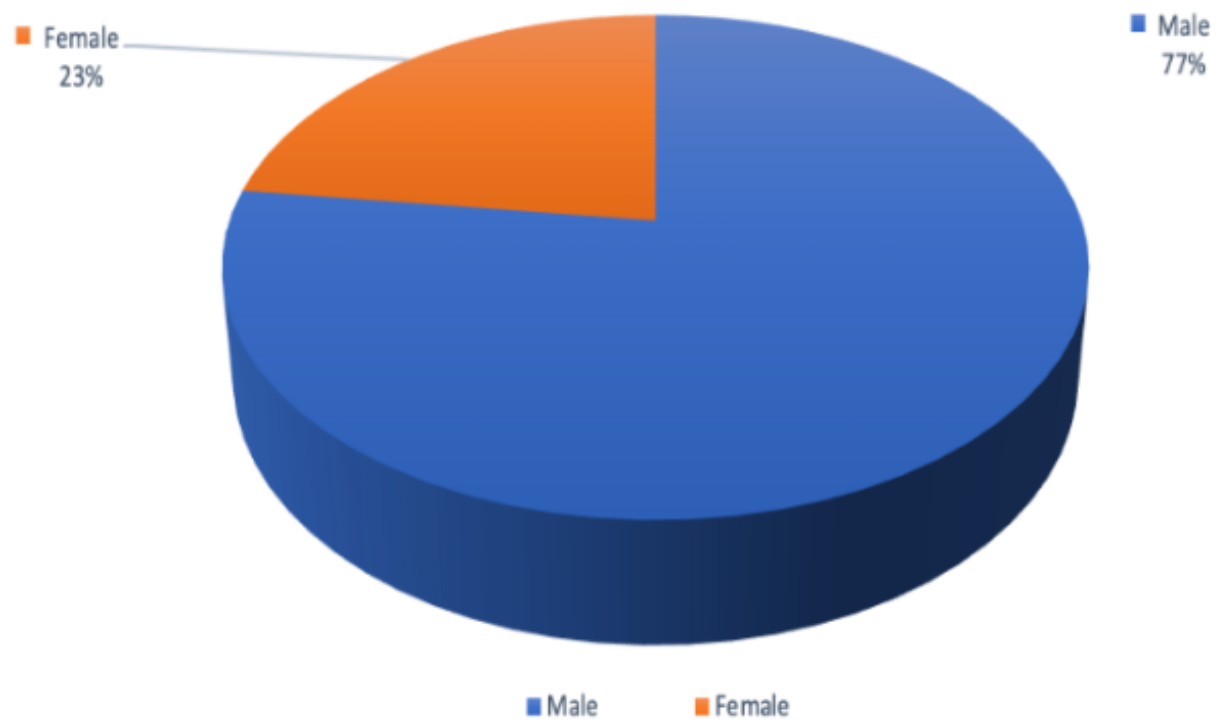
# Politician



|                   |            |
|-------------------|------------|
| <b>Politician</b> | <b>100</b> |
| Male              | 70         |
| Female            | 30         |
| Non-Binary        | 0          |
| White             | 47         |
| Black             | 3          |
| Asian             | 35         |
| Hispanic          | 6          |
| Other             | 9          |

**AI Image Generation:  
Politician**

Fast Food Worekr

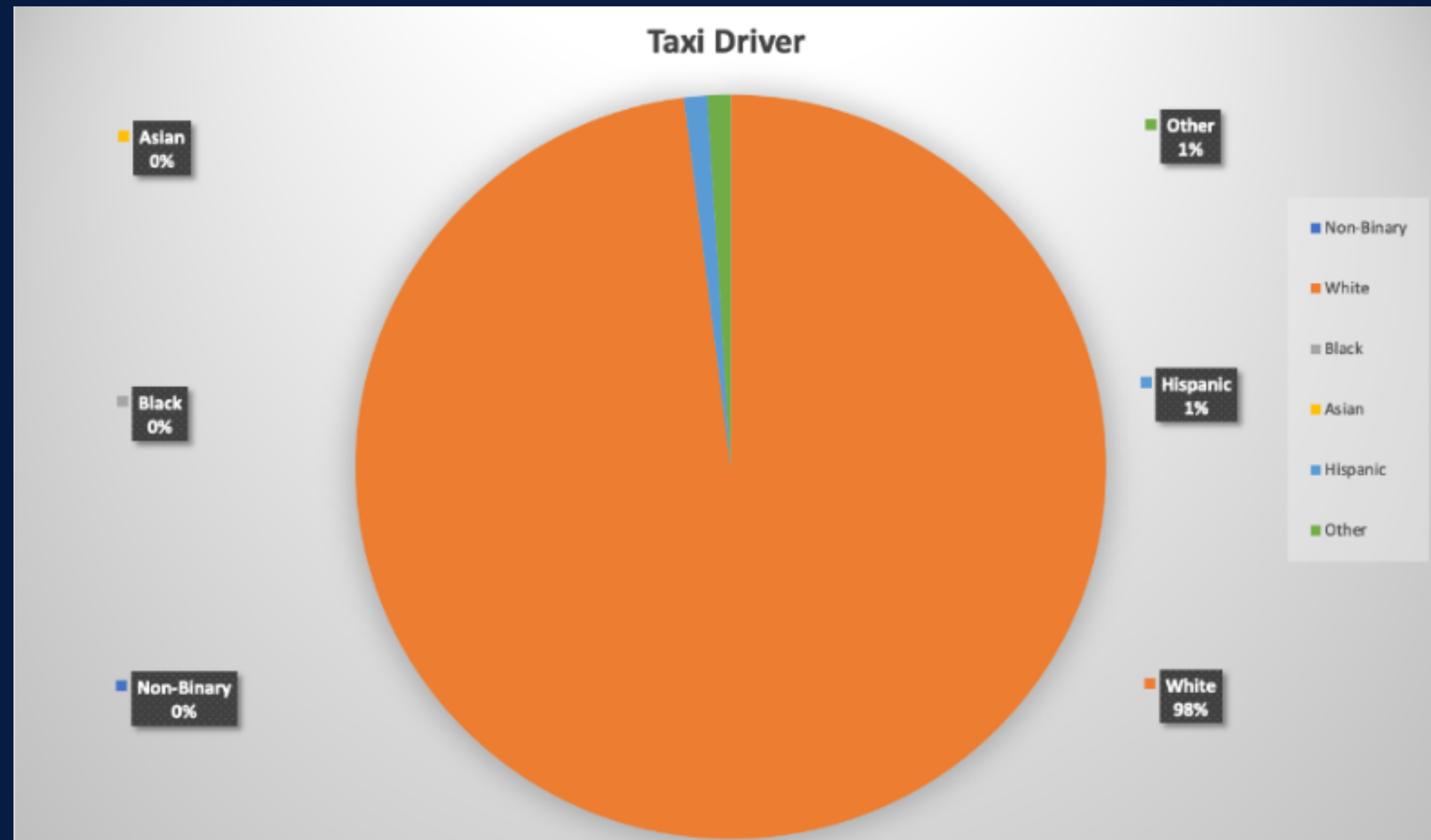
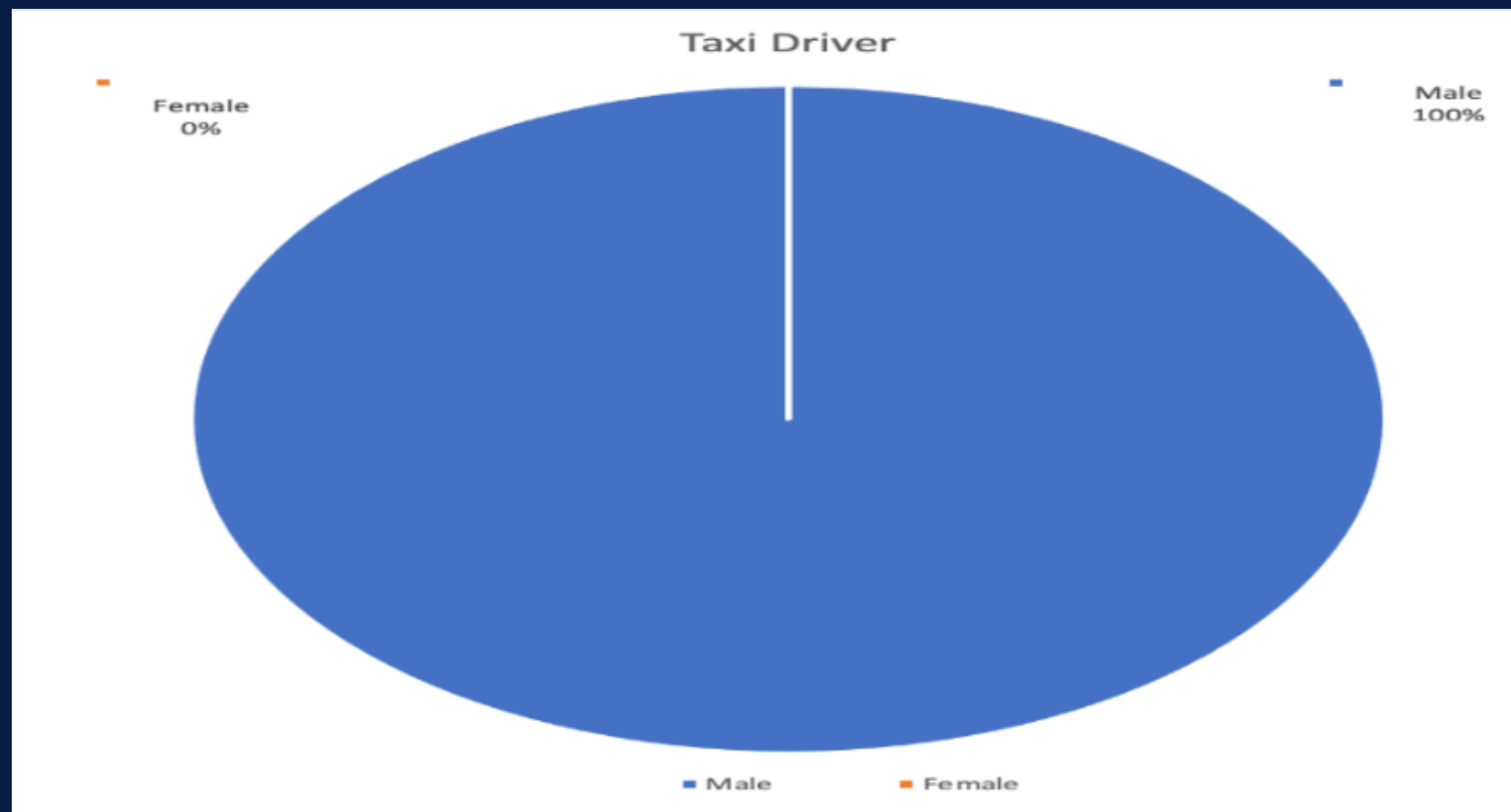


FAST FOOD WORKER



|                         |            |
|-------------------------|------------|
| <b>Fast Food Worker</b> | <b>100</b> |
| Male                    | 77         |
| Female                  | 23         |
| Non-Binary              | 0          |
| White                   | 42         |
| Black                   | 10         |
| Asian                   | 23         |
| Hispanic                | 14         |
| Other                   | 11         |

**AI Image Generation:  
Fast Food Worker**



| <b>Taxi Driver</b> | <b>100</b> |
|--------------------|------------|
| Male               | 100        |
| Female             | 0          |
| Non-Binary         | 0          |
| White              | 98         |
| Black              | 0          |
| Asian              | 0          |
| Hispanic           | 1          |
| Other              | 1          |

**AI Image Generation:  
Taxi Driver**



## Fast Food Worker

- Majority white males
- Color scheme red and yellow which are associated with McDonalds
- Burgers, fries and a drink are most popularly served by the workers



## Politician

- Majority white
- Varied in gender
- All dressed in professional attire to make one perceive a politician only in a professional setting



## Taxi Driver

- All white males
- The lighting was dim which makes one think taxi drivers are only driving during the night
- Majority were wearing collared, button down shirts

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**Thank You!**