

Mapping Air Quality Disparities: Lincoln Heights Pollution

Exposure

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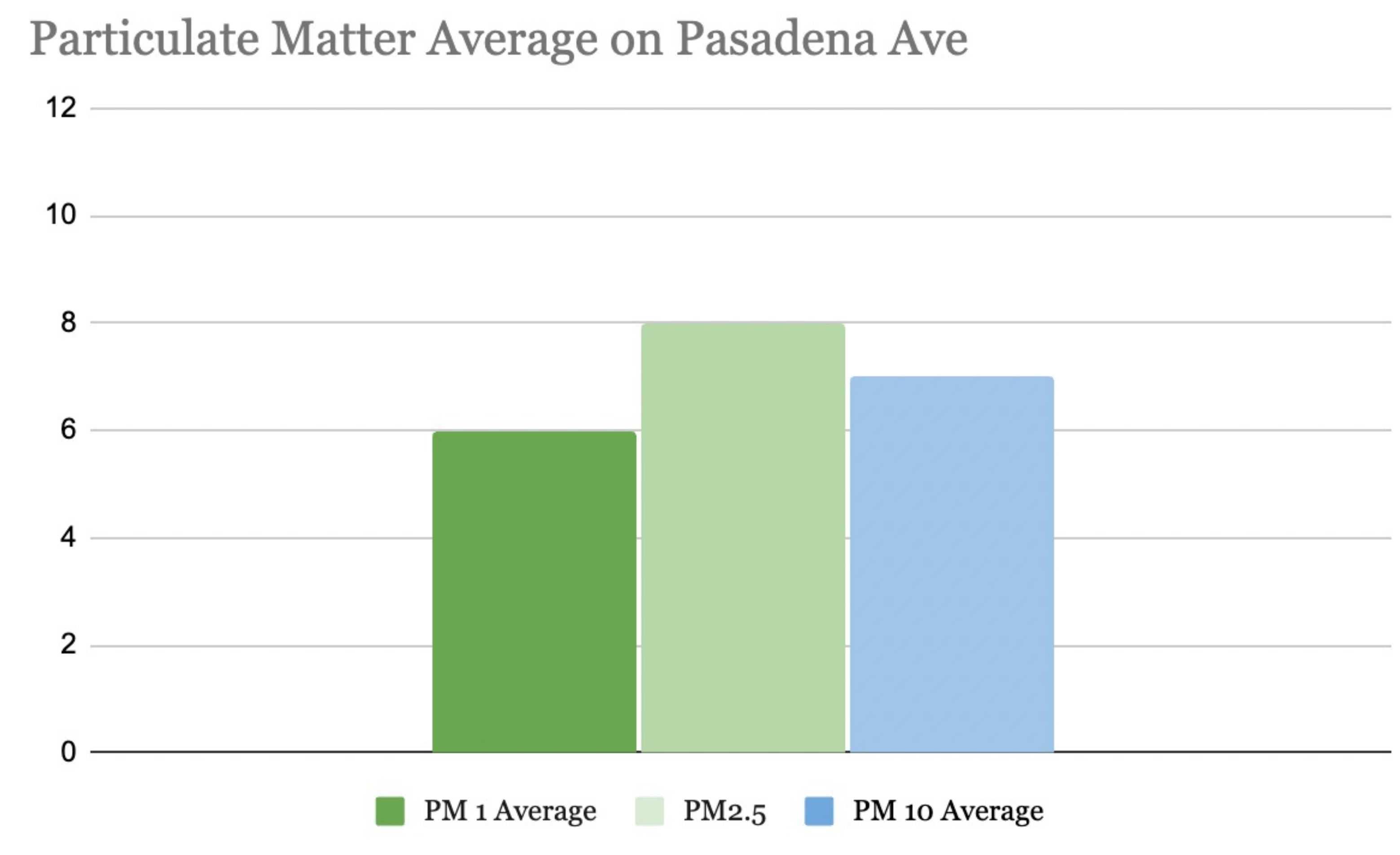
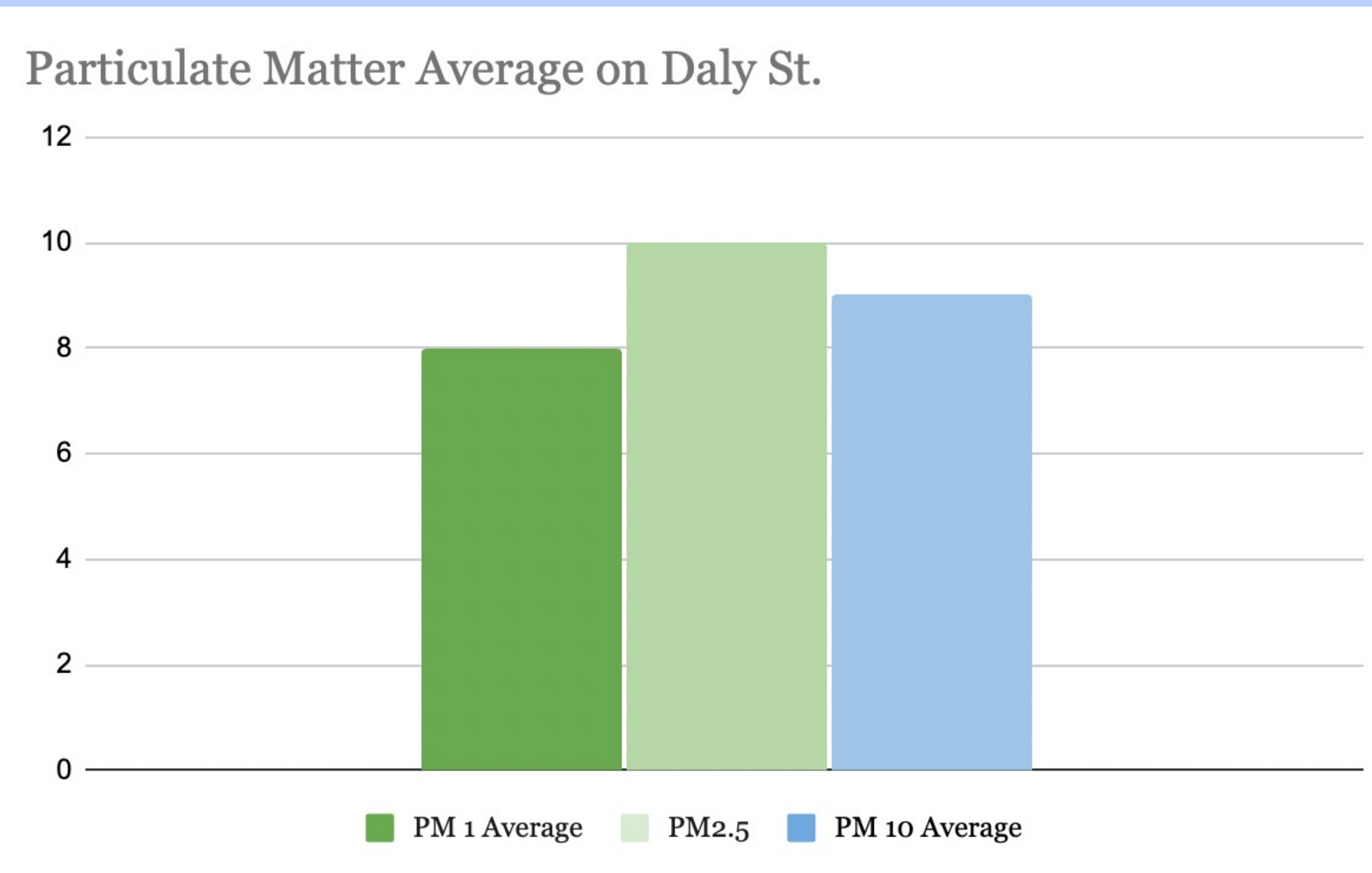
USC Children Environmental Health Center, EJ Youth Fellowship



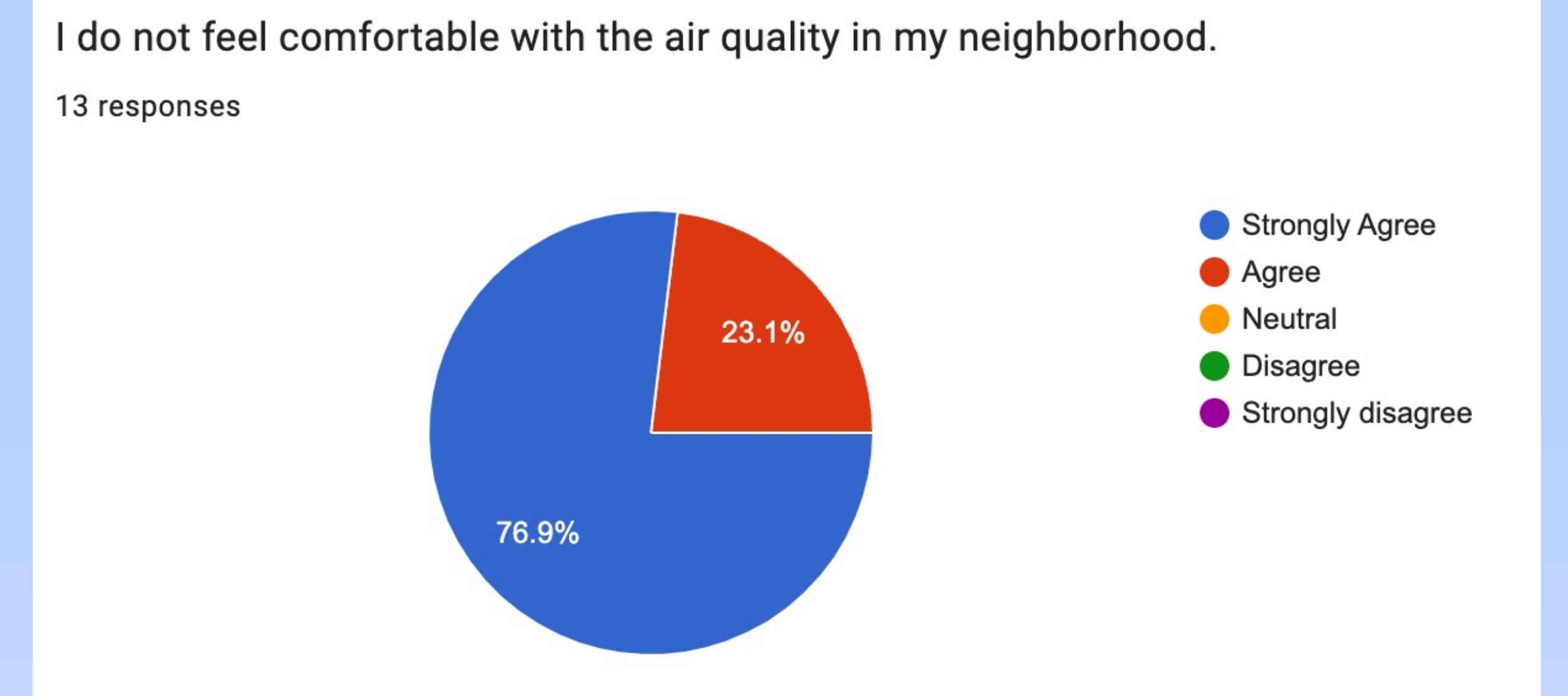
Introduction

Lincoln Heights has garnered attention as a focal point for environmental justice concerns, primarily due to the extensive presence of freeways and train tracks surrounding its community. Given the unique nature of each community, conducting research within historically underserved areas assumes particular significance. Addressing the issue of air pollution is important, given its well-documented adverse health consequences. To provide a comparative context, I chose to assess the air quality of Lincoln Heights against that of Pasadena, a higher-income community. Through surveys conducted with Lincoln Heights residents and the utilization of air beams, my research is aimed at comprehending the extent of unhealthy air pollution within the city in relation to neighboring communities. Future work will directly analyze how air pollution has directly affected the city of Lincoln Heights and its residents.

Results



Results



Methodology

I curated surveys that asked residents of Lincoln Heights how they felt about the air quality in their neighborhood. In addition, I employed air quality monitoring devices known as air beams to quantitatively assess the air quality in both the Lincoln Heights and Pasadena areas. By collecting and analyzing the obtained air quality data, I generated visual plots that vividly illustrate the variations in air quality between these two locations.

Conclusion

My findings reveal a prevalent dissatisfaction among Lincoln Heights residents with regards to their neighborhood environment. Numerous participants expressed discontent, highlighting concerns about street cleanliness and overall quality. Moreover, a notable disparity in air quality was observed, with Pasadena boasting significantly healthier air conditions in comparison to Lincoln Heights.