

Data Analysis of the Metropolis School District

I was tasked with creating a table for ten priority schools: Dwight, Davis, Abraham, Garvey, Smith, Journey-Kersee, Polk, Brent, Buchanan, and Pierce. The requested information included school codes, the number of students who applied for each grade, the percentage of students who ranked the school first, the gender distribution of all applicants by school, the average Priority ID of all applicants by school, the ranking of the listed schools by their average Priority ID, the most common neighborhood for applicants who ranked the school first or second, and the number of students who applied exclusively to the school without applying to any other of the ten listed priority schools.

In total, there were 2,570 unique applications for priority schools, with 51.6% of applicants being male and 48.4% female. The average Priority ID was 2.95, with the highest at 4.00 and the lowest at 1.96. Neighborhood Zones 7 were the most common for applicants who ranked schools first or second. Additionally, there were 142 applications where students exclusively applied to one of the ten schools without considering the others. In addition to this analysis, I examined other data points, including English-Language Learners, Special Education, and Neighborhood Zones concerning ELL learners.

In conclusion, I recommend that the district gain a better understanding of the demographics of students applying from Neighborhoods 6 and 7. I recommend investigating the gender gaps in school codes 212, 259, 221, 202, and 231. I suggest that district leaders invest in ELL students. Most of the ELL students are Spanish-speakers and require staff who can help transition students and parents into the English curriculum. Finally, the district should invest in Special Education programs, as there are significant numbers of applicants who will require additional assistance. They should also look to hire experts who can identify and diagnose students who could benefit from IEP's.