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## Vertebrate Abundance in Parks vs. Park Deficient Areas in Austin, Texas

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### **Abstract**

This project assesses vertebrate abundance in Austin, Texas, and the distribution of abundance in parks and park deficient areas. Biodiversity in urban areas and human health are both linked to the presence of adequate parkland in cities. The maps produced can aid in future city development as well as contribute to biodiversity research in Austin and other cities looking to increase parkland. We used shapefiles from the City of Austin for parks and park deficient areas and Global Biodiversity Information Facility (GBIF) data for vertebrate abundance. We found that parkland makes up 9.4% of the Austin area, but 34.3% of all collections were taken in parks. 35.7% of all collections were taken in park sufficient areas (areas that were neither parks or park deficient).