The Impact of Socio-Economic Indicators on Turf Rebates in the City of Scottsdale

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Turf Rebates:
- Water rebate programs differ in the state, but turf rebates are among the most contentious rebate programs.
- Typically water savings results are highly variable with turf rebates.
- By using the statistical analysis program SAS, this research demonstrates the results of the turf rebate program in Scottsdale (aggregated at the zip code level).
- This project was designed to better understand how the turf rebate program can be improved to better suit all residents in Scottsdale, regardless of income or home value.

The Analysis:
1. Water use data for about 150 homes in Scottsdale who took advantage of the rebate program were used.
2. Water savings was evaluated as the difference between water use before and after a rebate was received. These data were compared with income and home values of these residents.
3. SAS was used for the analysis. Additional data was gathered from other sources (the US Census and NorthStar: a customer billing system used by the city).

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