Open Zoning

Software and data standards for identifying housing capacity

# Abstract

100 words

# Introduction

Describe the need

Describe prior work

Describe challenges

Usefulness and significance

# Data structures

Describe each of the data structures

## Zoning constraints

How zoning constraints are encoded

## Parcel geometry

How parcel geometry is encoded.

## Building characteristics

How building characteristics are encoded

# Analysis methods

This part gets into how the analysis works.

# Illustrative Example

To illustrate the methods above, we define a four-unit residential building and identify all parcels across two adjacent municipalities in Texas (Dallas and Irving) where that building would be compliant with existing zoning regulations. [Figure 1](#fig-boundary-map) shows the extents of these two cities.

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| Figure 1: Boundaries of municipalites included in illustrative example |

# Opportunities for future development

Need to deal with parking.

Directly calculating building attributes from building geometry

# Conclusion

Return to usefulness and use cases.