

# **LA Foreclosure Forecast**

**Proposed Project for the Data Incubator**

# A longer version...

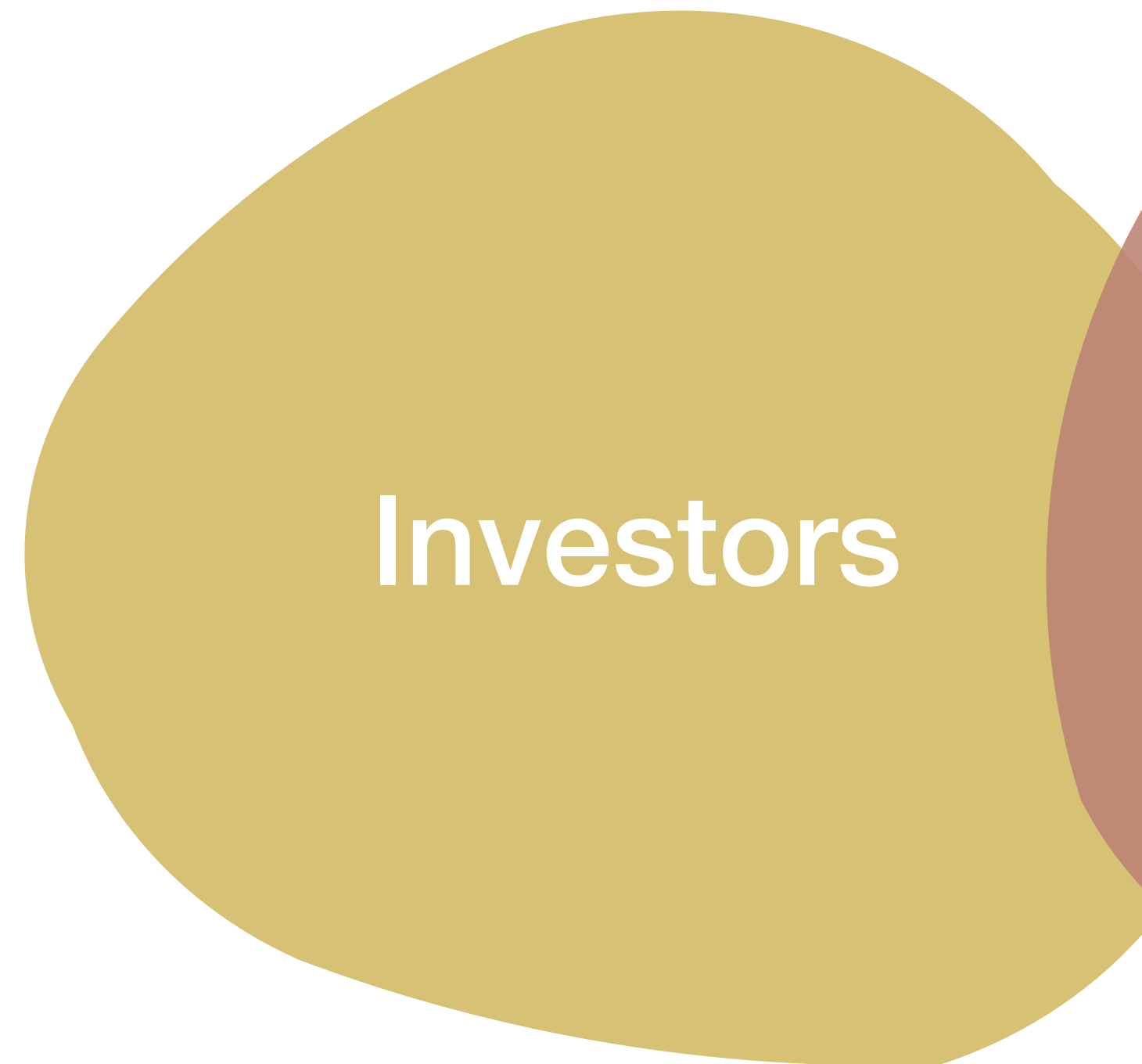
Build a Machine Learning model to predict the number of foreclosures in different districts of LA in the coming month



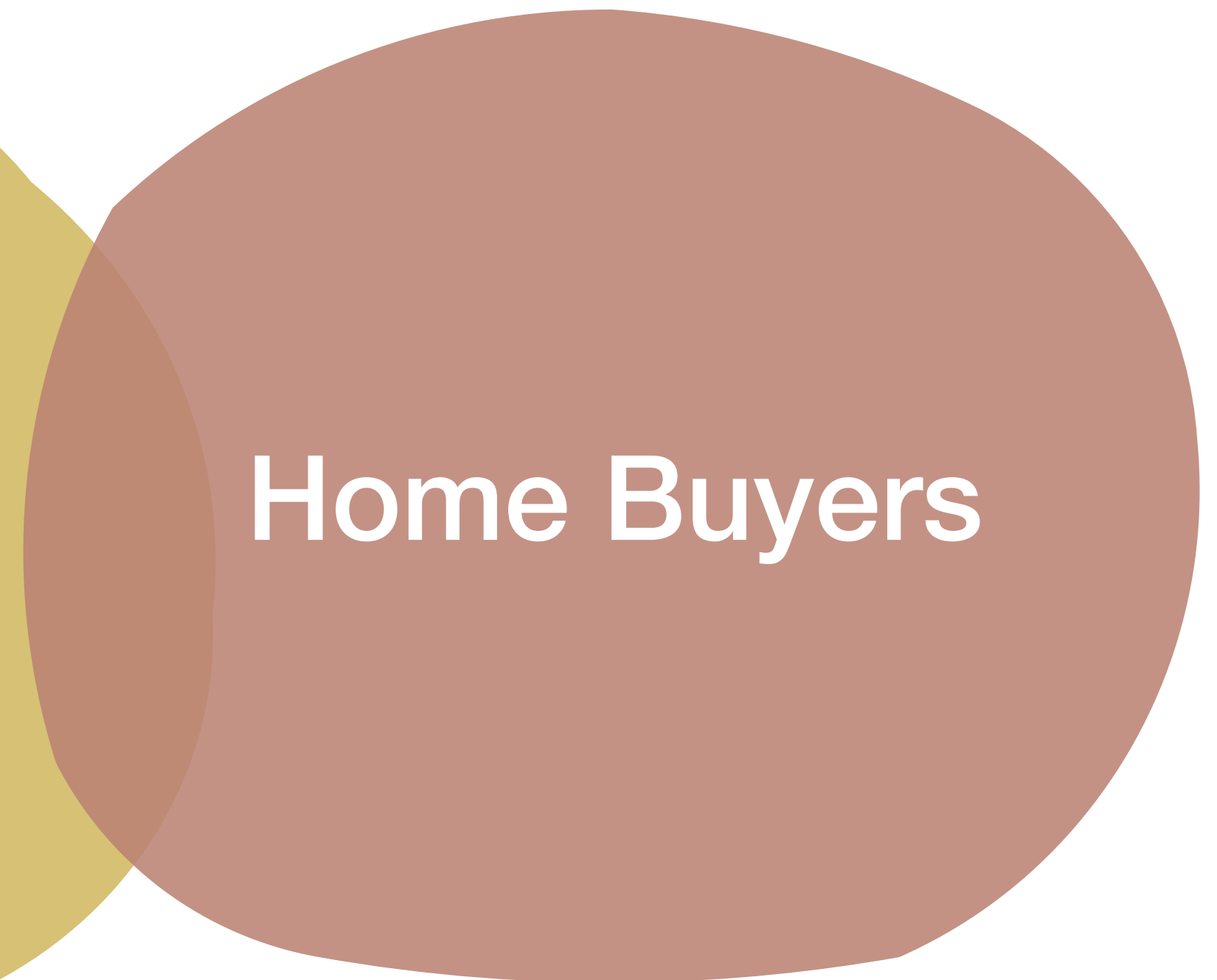
# Who Cares?



Provide directions for policies like the CARES Act Mortgage Forbearance




To determine if they should wait for a little bit longer to invest in foreclosed properties



To have a better sense of the housing market

# Foreclosure Data

The data owner: HCIDLA (Housing and Community Investment Department LA )



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# LA Registered Foreclosure Properties Data since 2017

2020\_Registered\_Foreclosure\_Properties

# 34688x24

[illegible]



# Other Ingredients

- Further analysis: other factors with an impact on the foreclosures
  - Unemployment rate
- Machine Learning Model
- Ensemble Regression Model for different zip codes in LA
  - K-Nearest Neighbor
  - Random Forest