# W209 Spring 2022 Section 01

# Final Project Proposal:

## Team members:

Irene Shaffer

Heather Rancic

Austin Jin

Luis Delgado

Tony Angell

## Project concept:

To understand the drivers behind Miami real estate costs as they pertain to future investments in the area.

## User base:

Real estate brokers/agents/buyers/sellers in the Miami metropolitan area.

## Resolvable tasks through visualization:

To be able to best predict neighborhoods and parcels in the Miami metropolitan area to purchase homes based on a myriad of factors including, but not limited to:

-Proximity to rail

-Proximity to noise impact areas

-Possibility of sea level rise (slr) impact on the specific area using proximity to the ocean

-Impact of housing features on costs

-Impact of structure quality costs (especially important after the building collapse of 2021)

-Age of the structure

-Proximity to business districts

-Previous sale prices

## Example insight we hope to show:

Parcels/neighborhoods to avoid due to heightened risks to resale prices.

Neighborhoods with declining/rising prices.

Neighborhoods increasing in popularity.

## Data sources:

### Miami Housing Dataset:

<https://www.kaggle.com/deepcontractor/miami-housing-dataset>

### Miami-Dade County 3-D Sea Level Rise (SLR) impacts:

https://mdc.maps.arcgis.com/apps/webappviewer3d/index.html?id=b92a9fa4ff8847bf97f3e628a195a398

### Miami-Dade County Sea Level Rise (SLR) predictions:

https://southeastfloridaclimatecompact.org/wp-content/uploads/2020/04/Sea-Level-Rise-Projection-Guidance-Report\_FINAL\_02212020.pdf