Urban Development that Connects People to Opportunities
Over- and underperforming metro stations in LA
With respect to observed jobs and residents near stations

Data: LA Metro
Analysis: City Form Lab
Factors shaping ridership at a transit station:

- **Land Uses / Activities / Transfers**
  - around the station

- **People Characteristics**
  - around the station

- **Urban Form / Density**
  - around the station

- **Access Route Characteristics**
  - leading to the station

- **Station Utility**
  - centrality / attractiveness

- **Mode Choice Alternatives**
  - for getting to destinations
1st Street Station, Long Beach
Blue Line: Underperforming Station
1st Street Station, Long Beach
Blue Line: Underperforming Station (-1.1)
Wilshire/Western Station, LA
Purple Line: Overperforming Station

- High density and right demographics / incomes (Koreatown)
- Poor alternative choices (Congestion)
- High station utility / short ride to downtown LA
Wilshire/Western Station, LA
Purple Line: Overperforming Station (+0.9)
Which factors can we change to improve ridership and accessibility?

- TOD
  - Housing Policy
  - Land Uses / Activities / Transfers
    around the station

- TOD
  - Land Value Capture
  - Housing Policy

- Urban Form / Density
  around the station

- TOD
  - Safer routes to destinations
    (Istanbul play spaces)

- TOD
  - Access Route Characteristics
    leading to the station

- TOD
  - Better Destinations
    (Istanbul play spaces)

- Station Utility
  - centrality / attractiveness
  - TOD

- Mode Choice Alternatives
  - for getting to destinations

- TOD
  - Housing Policy
Urban Network Analysis Toolbox
Free plugin for Rhino 3D
“An automobile is a machine for mobility, a city is a machine for accessibility”
Levinson, Krizek and Gillen 2005