PUBLIC LIFE GEODATABASE

PRESENTATION

SF Planning Department
RACHELLE M. SARMIENTO
PLACES FOR PEOPLE/
PAVEMENT TO PARKS INTERN
SUMMER 2016

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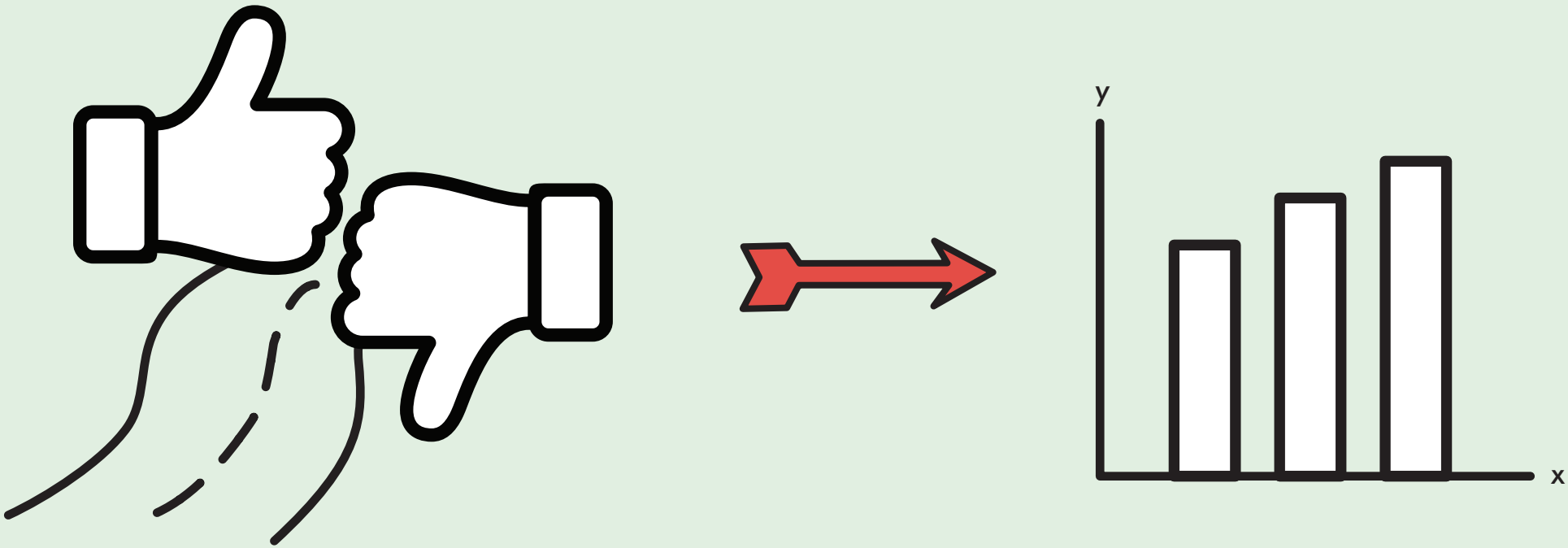
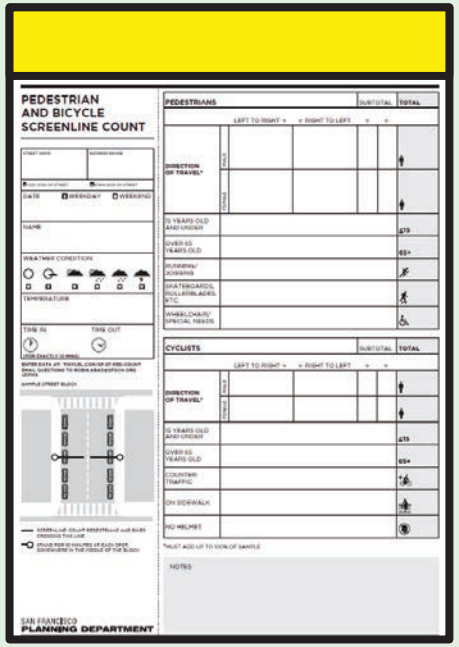
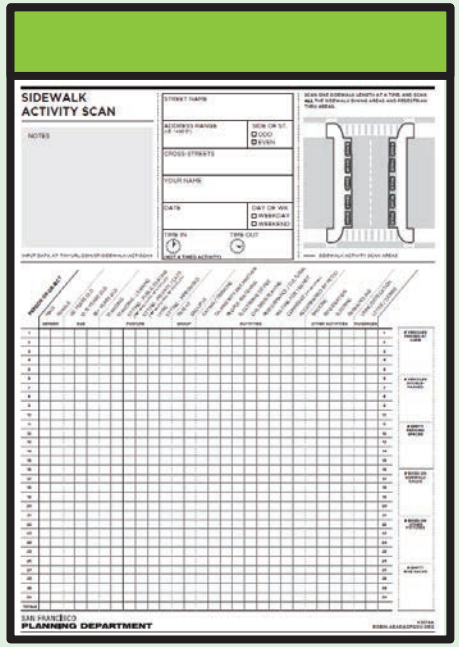
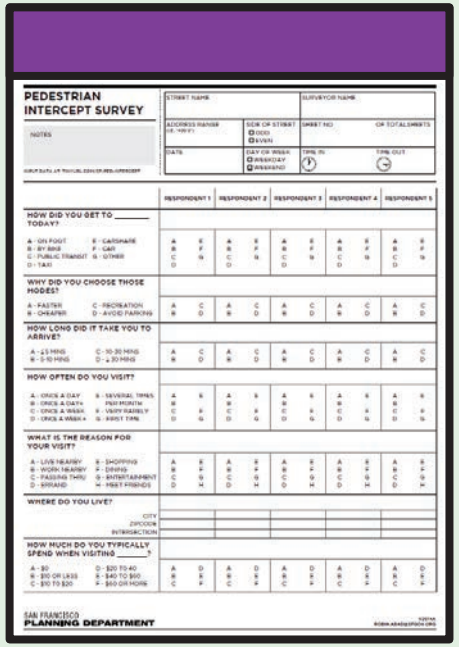
WHAT ARE PUBLIC LIFE STUDIES?

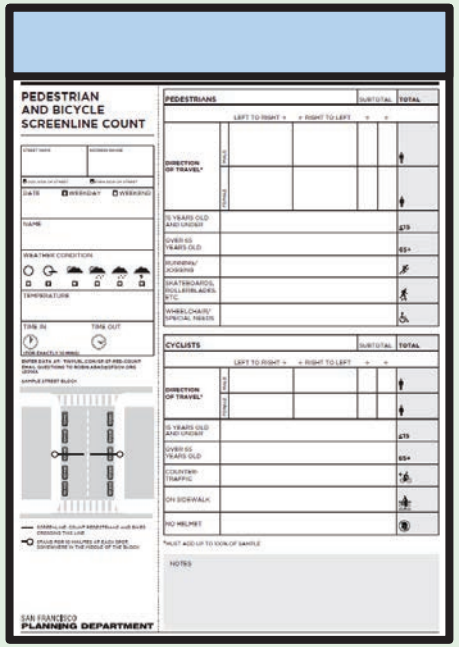


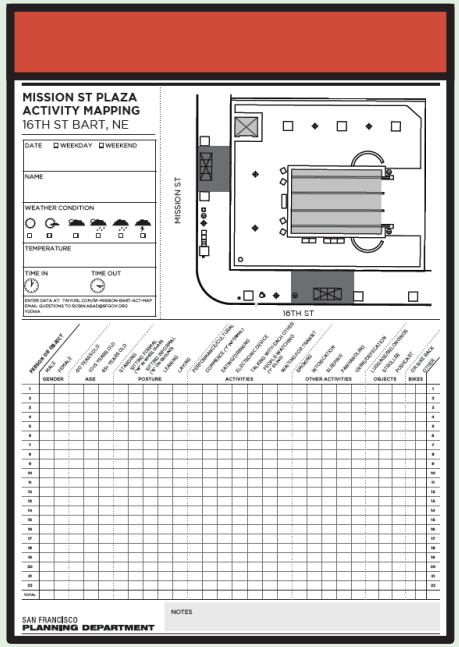
PUBLIC LIFE STUDIES: TOOLS











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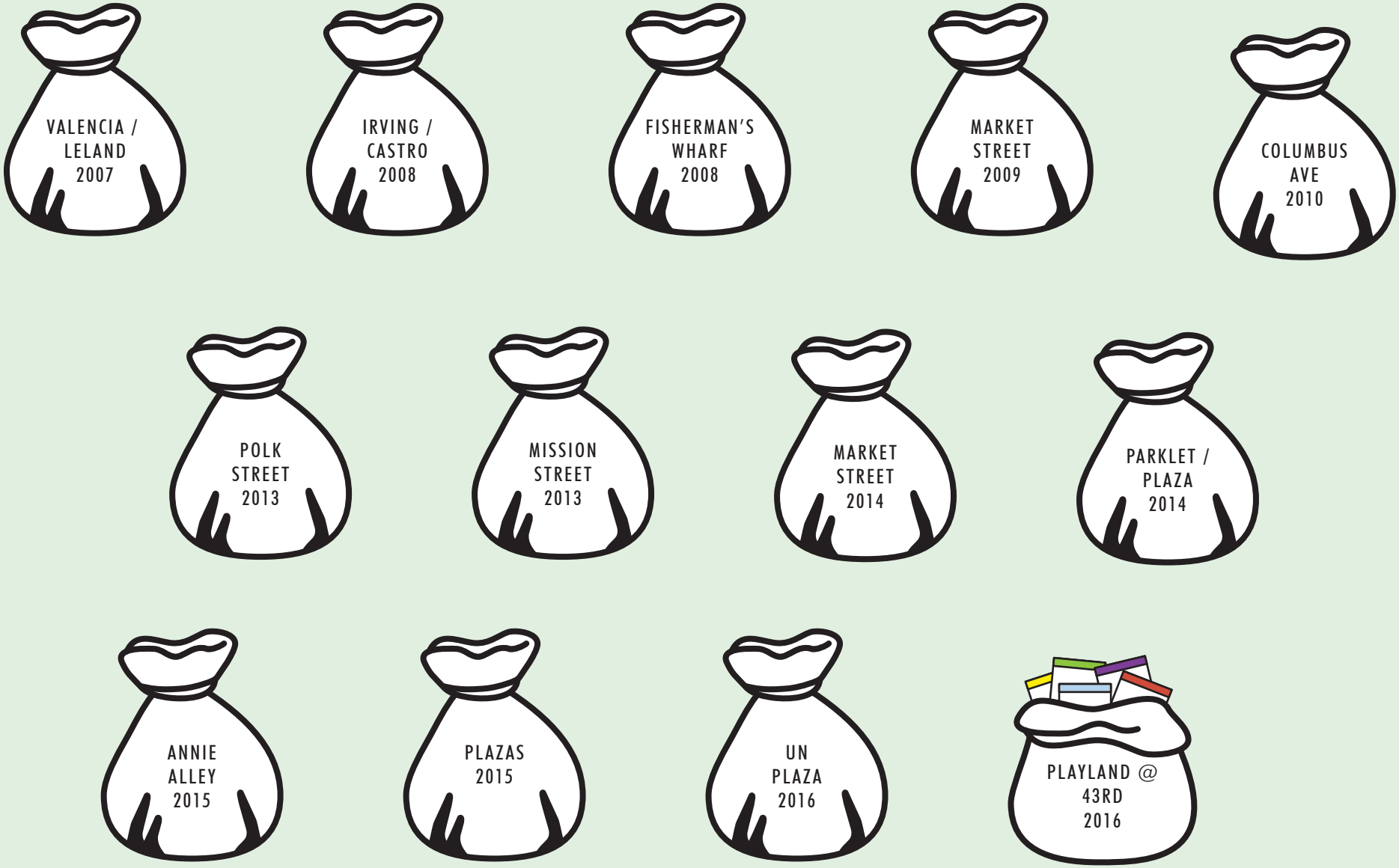
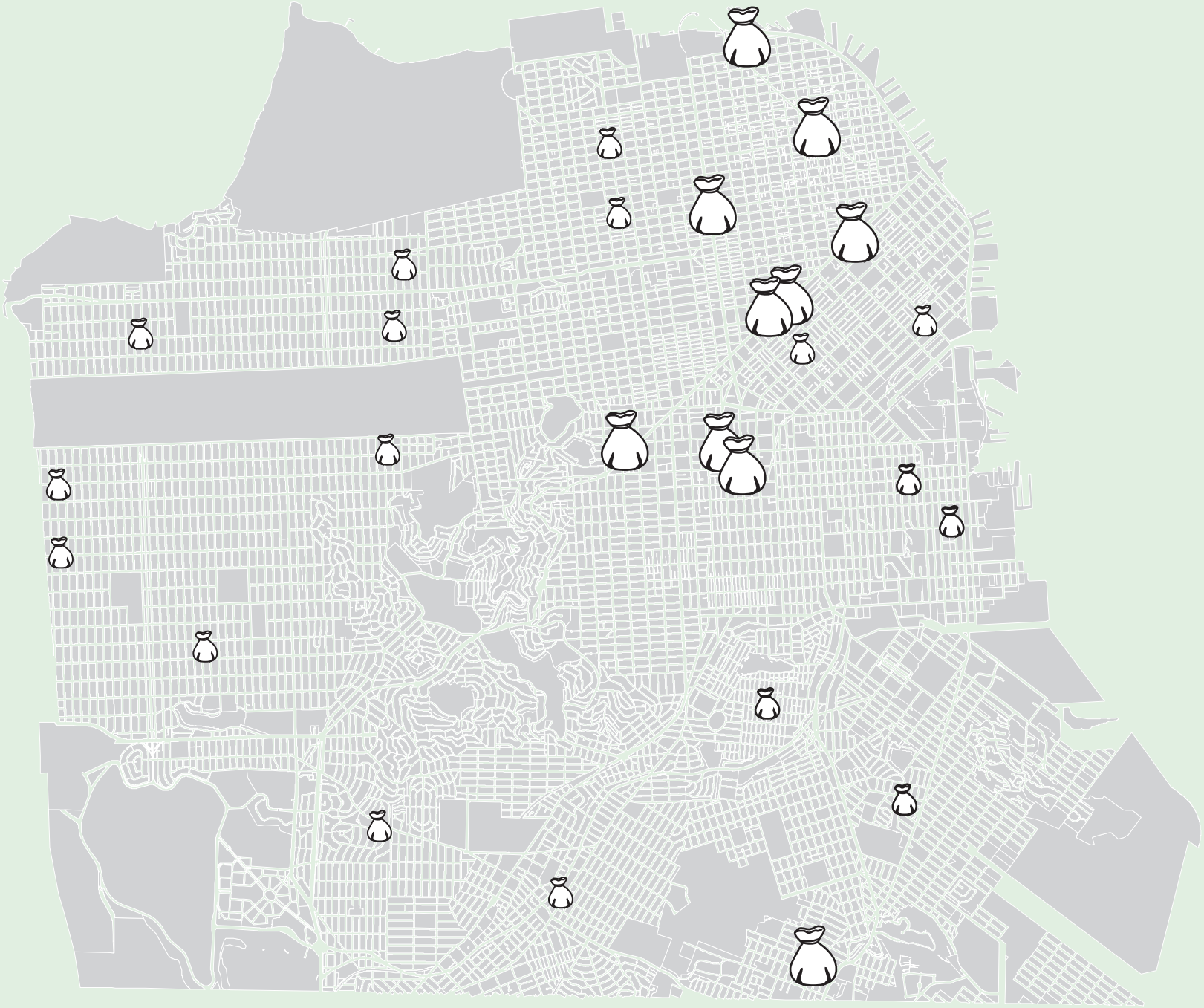


WHERE ARE THE PUBLIC LIFE STUDIES?



WHY PUBLIC LIFE GEODATABASE?

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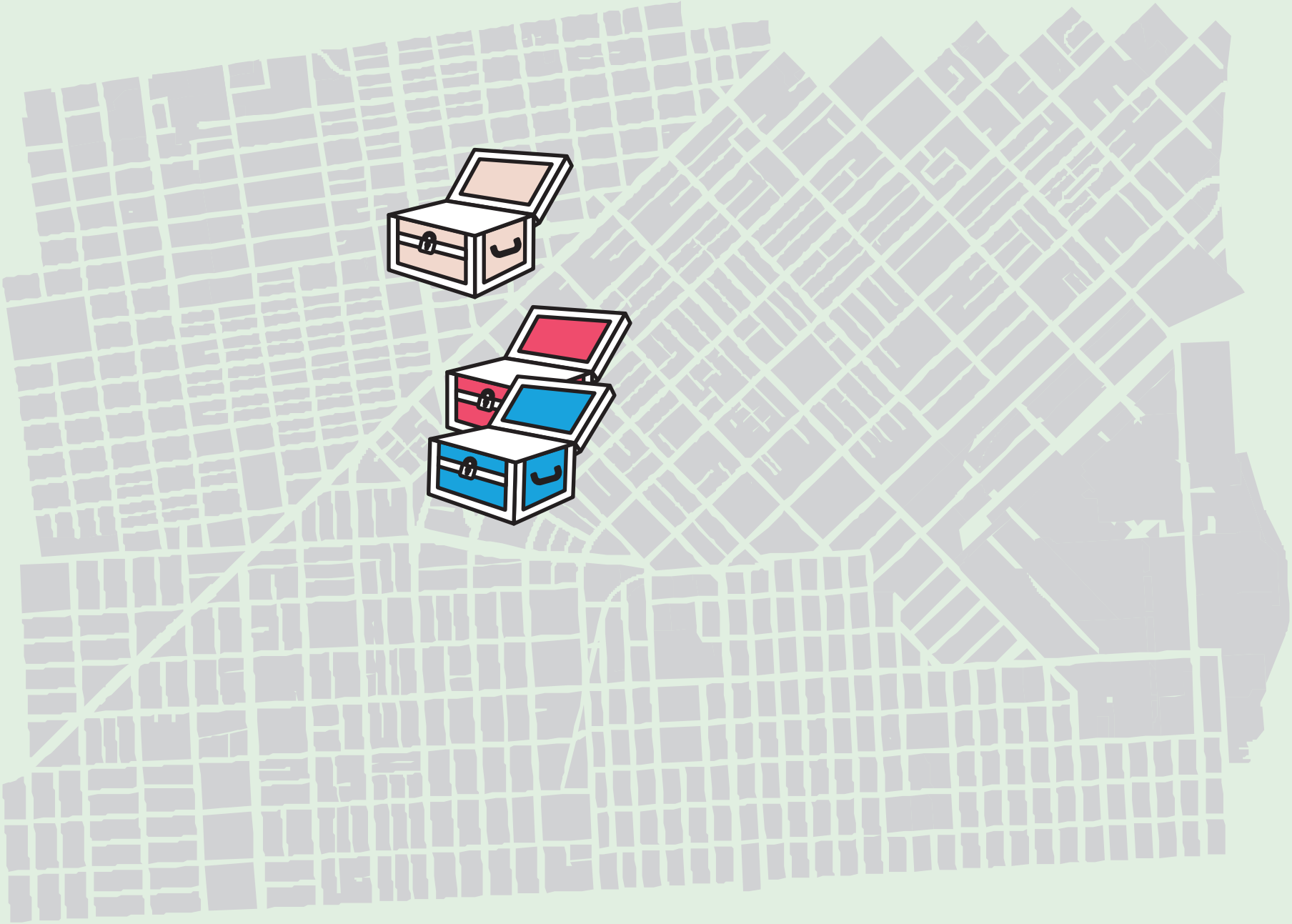
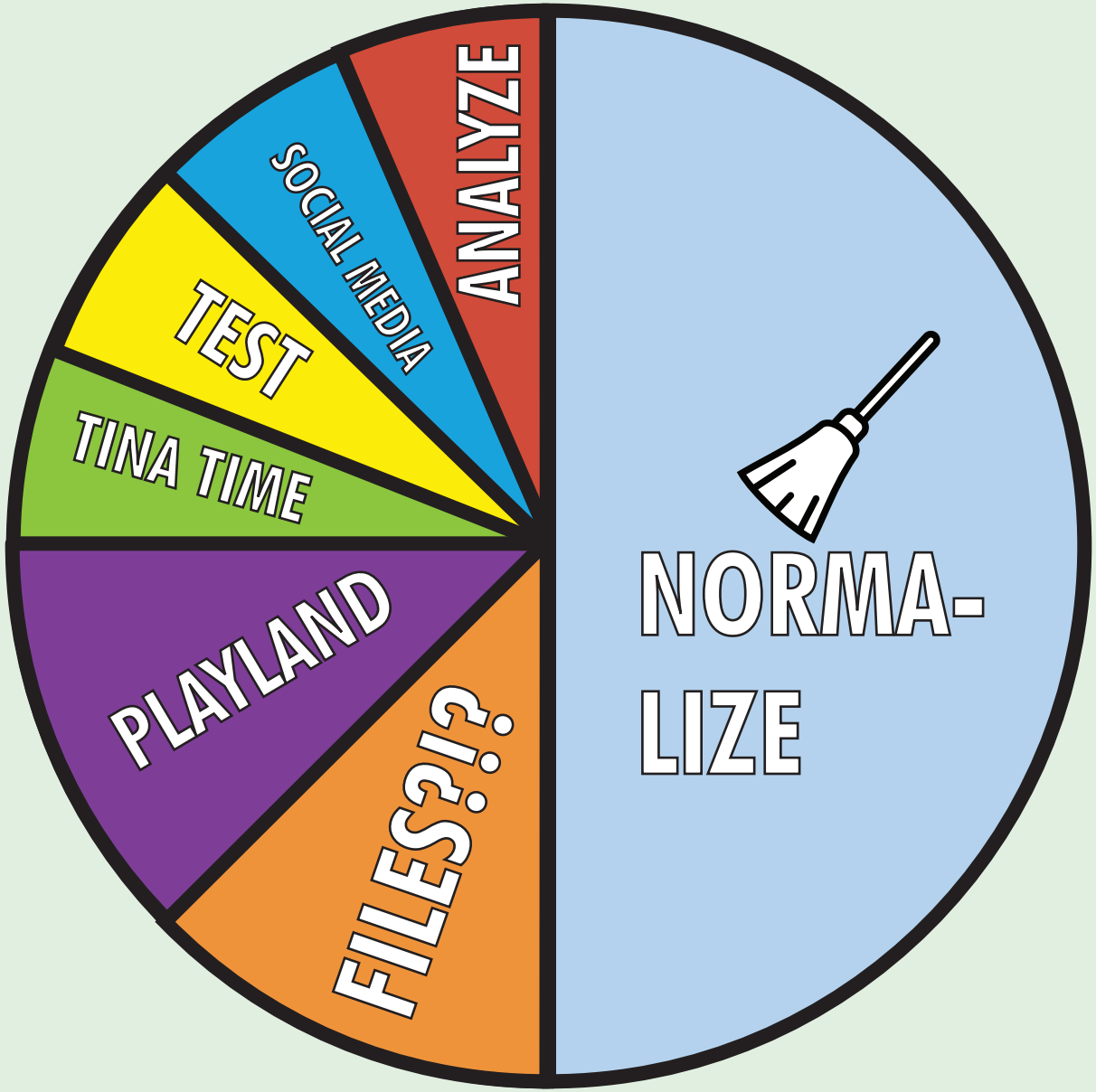


WHY PUBLIC LIFE GEODATABASE?

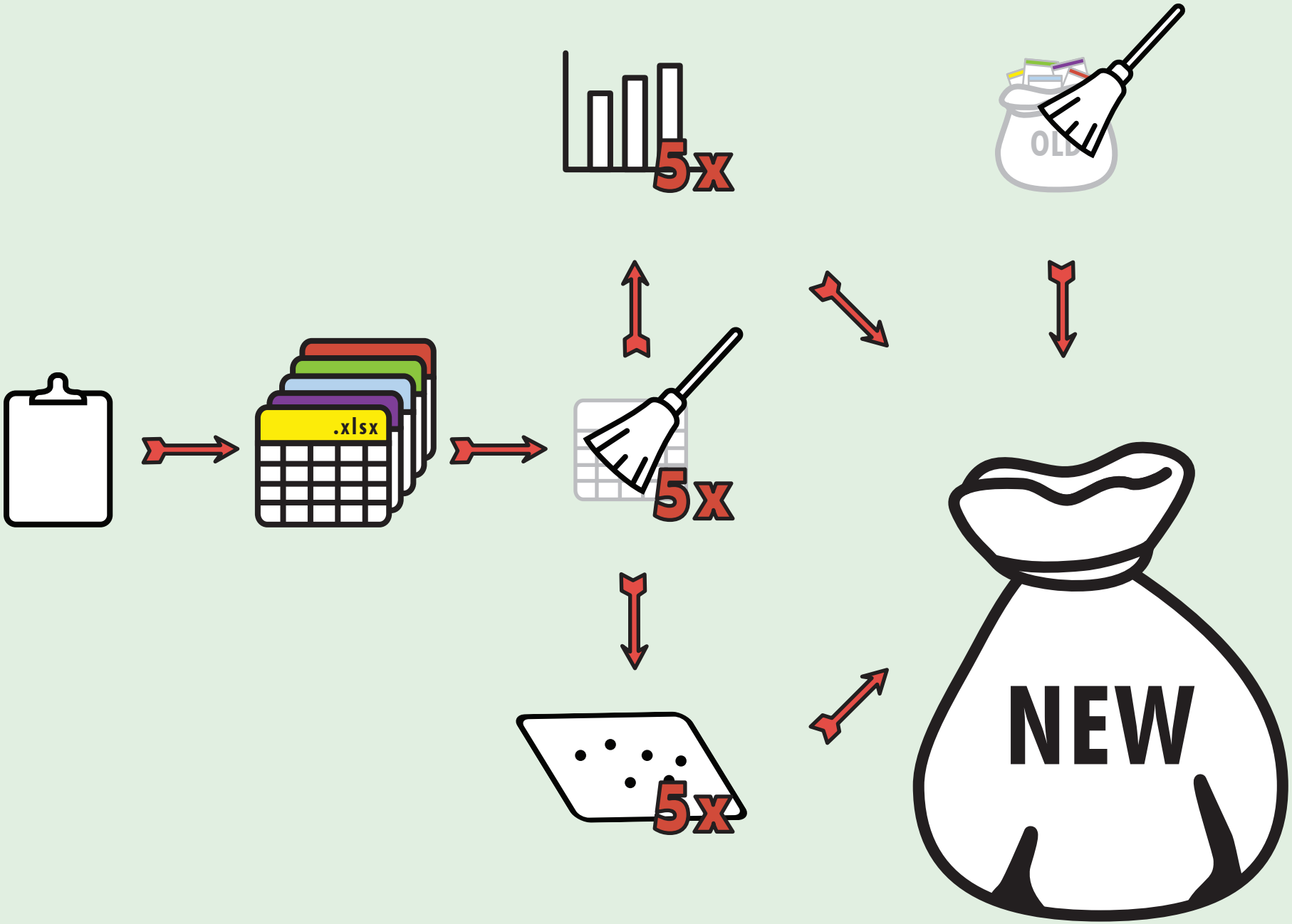
Community Chest

GET OUT OF JAIL, DATA, FOR FREE

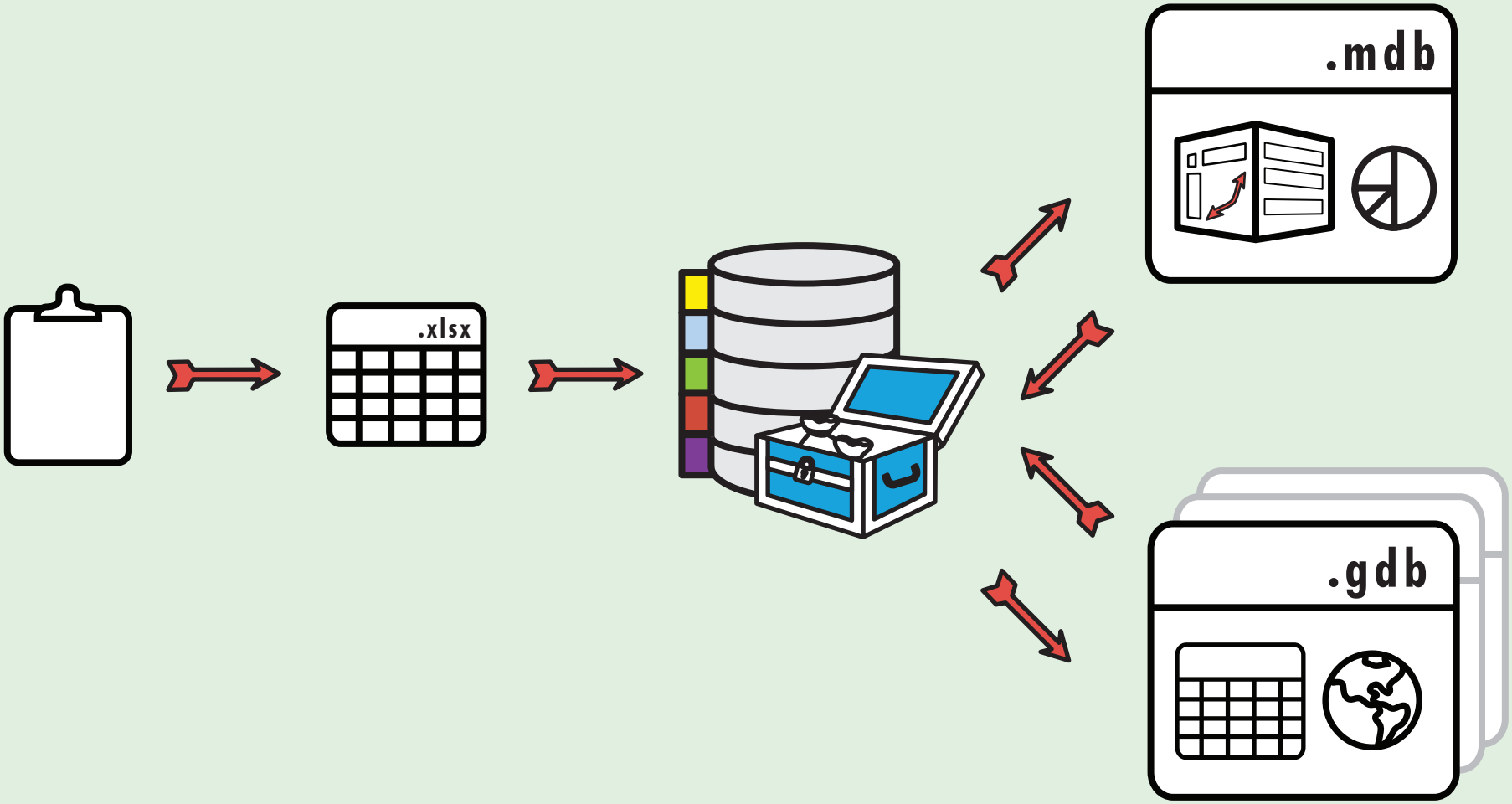
PLG: SUMMER


ANALYZE
SOCIAL MEDIA
TEST
TINA TIME
PLAYLAND
FILES?!?
NORMA-
LIZE

PLG: OLD-STYLE ANALYSIS



PLG: NEW DATABASE ANALYSIS



WHY PUBLIC LIFE GEODATABASE?

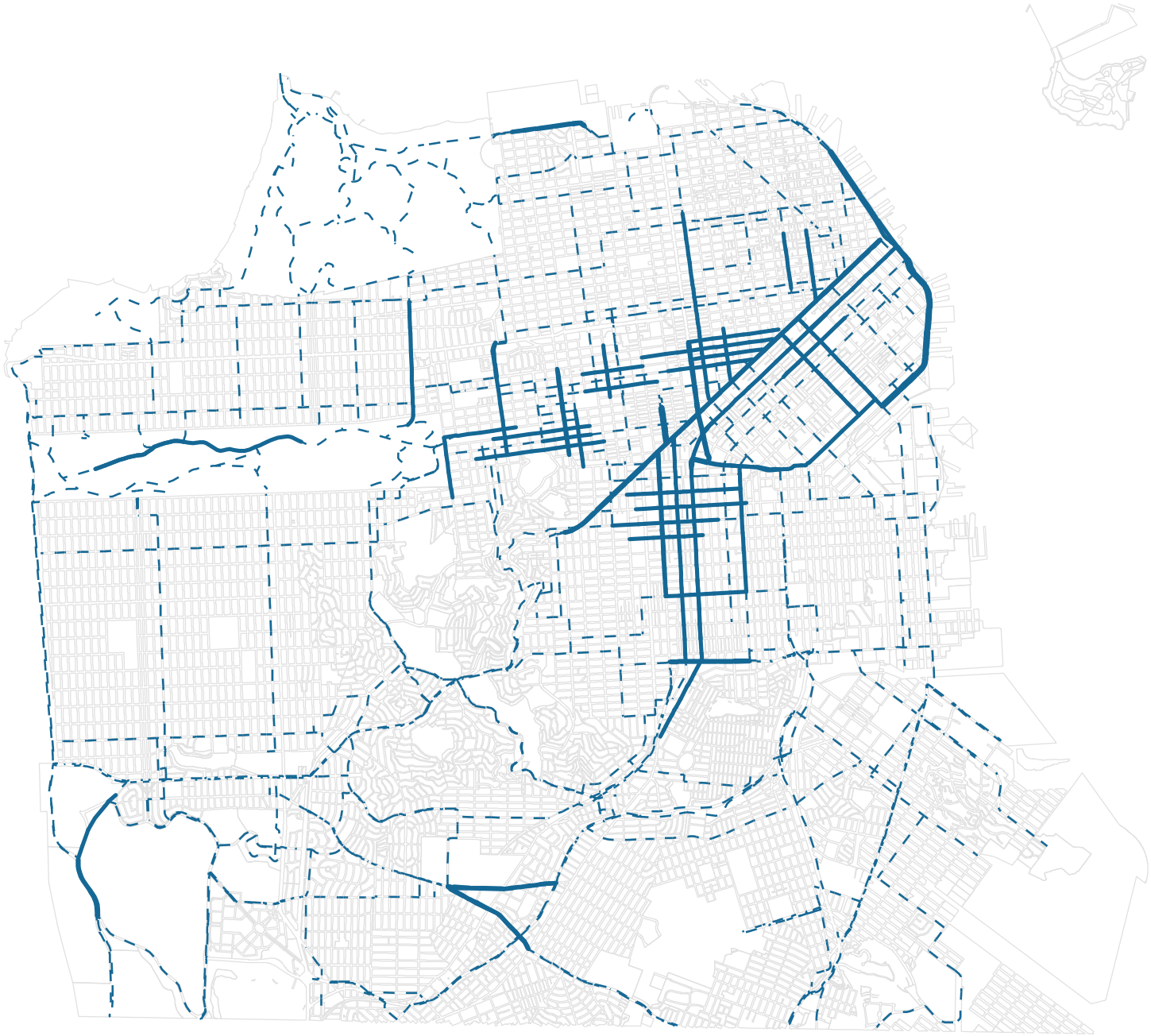
PLG

TransBASE

American Community Survey

VISION ZERO

TransBASE

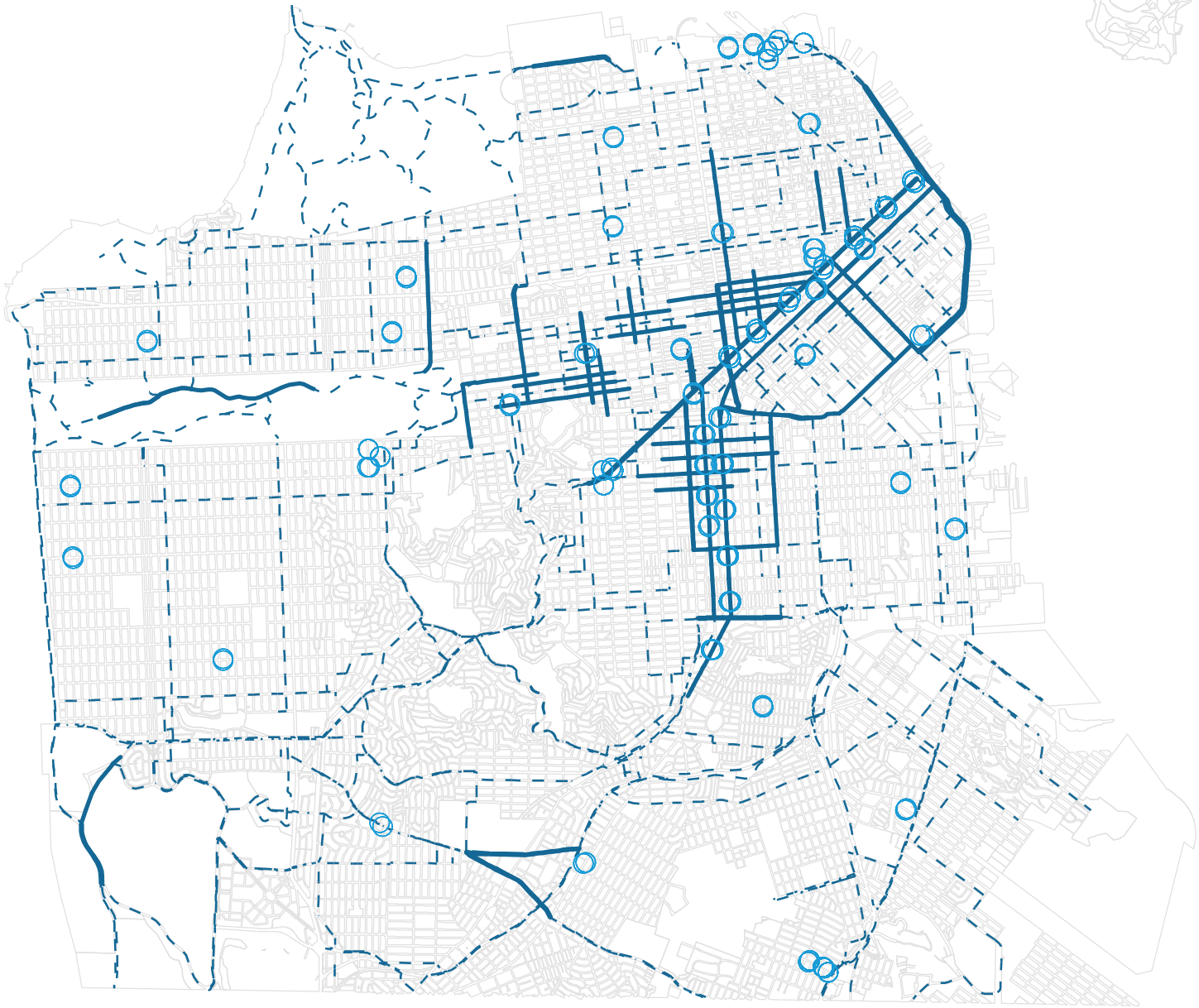


BIKE NETWORK

CYCLIST HIGH INJURY CORRIDORS

VISION ZERO AND PLG

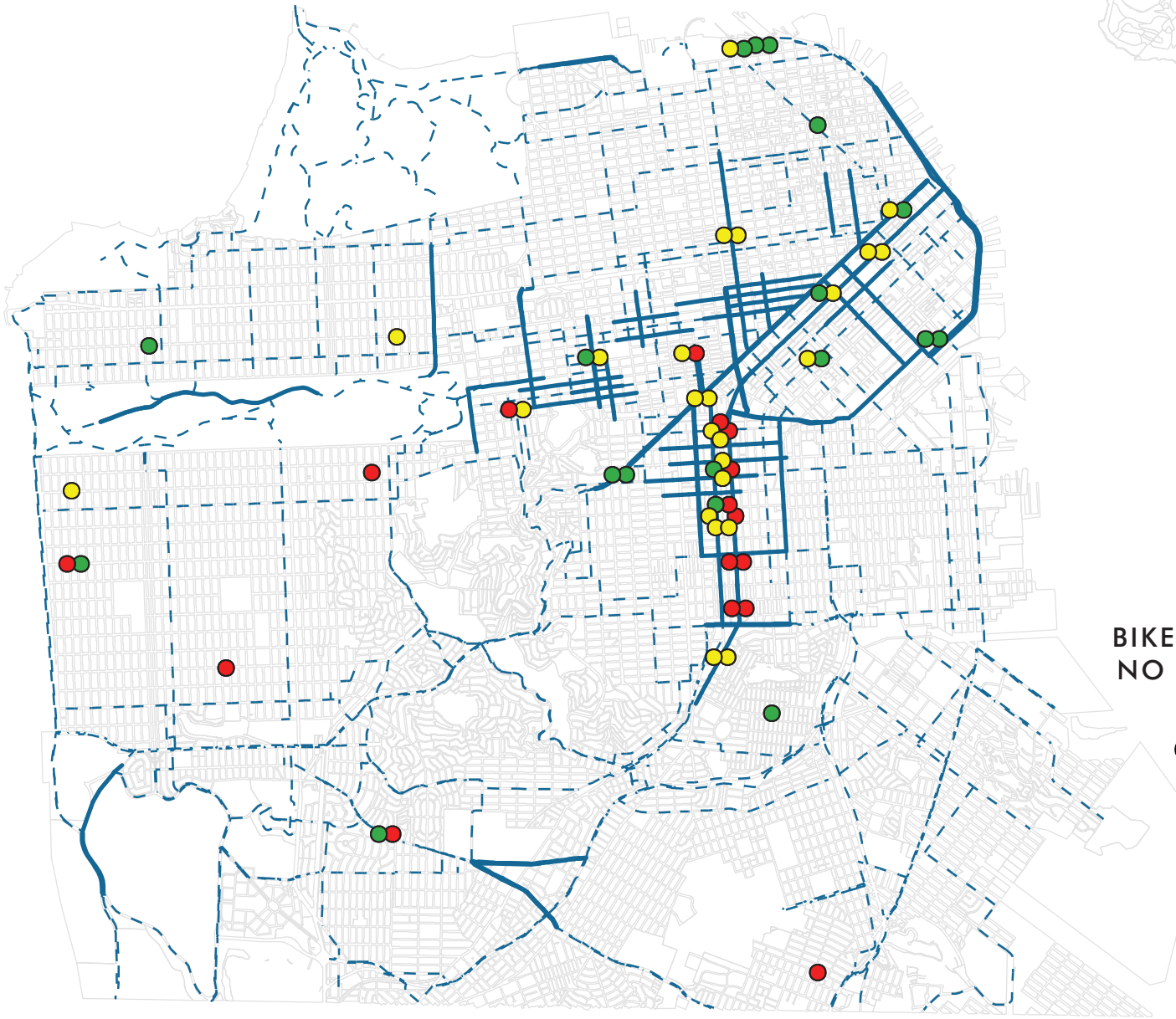
PLG + TransBASE



– – – BIKE NETWORK + ○ BIKE SURVEY POINTS + — CYCLIST HIGH INJURY CORRIDORS

VISION ZERO AND PLG

PLG + TransBASE



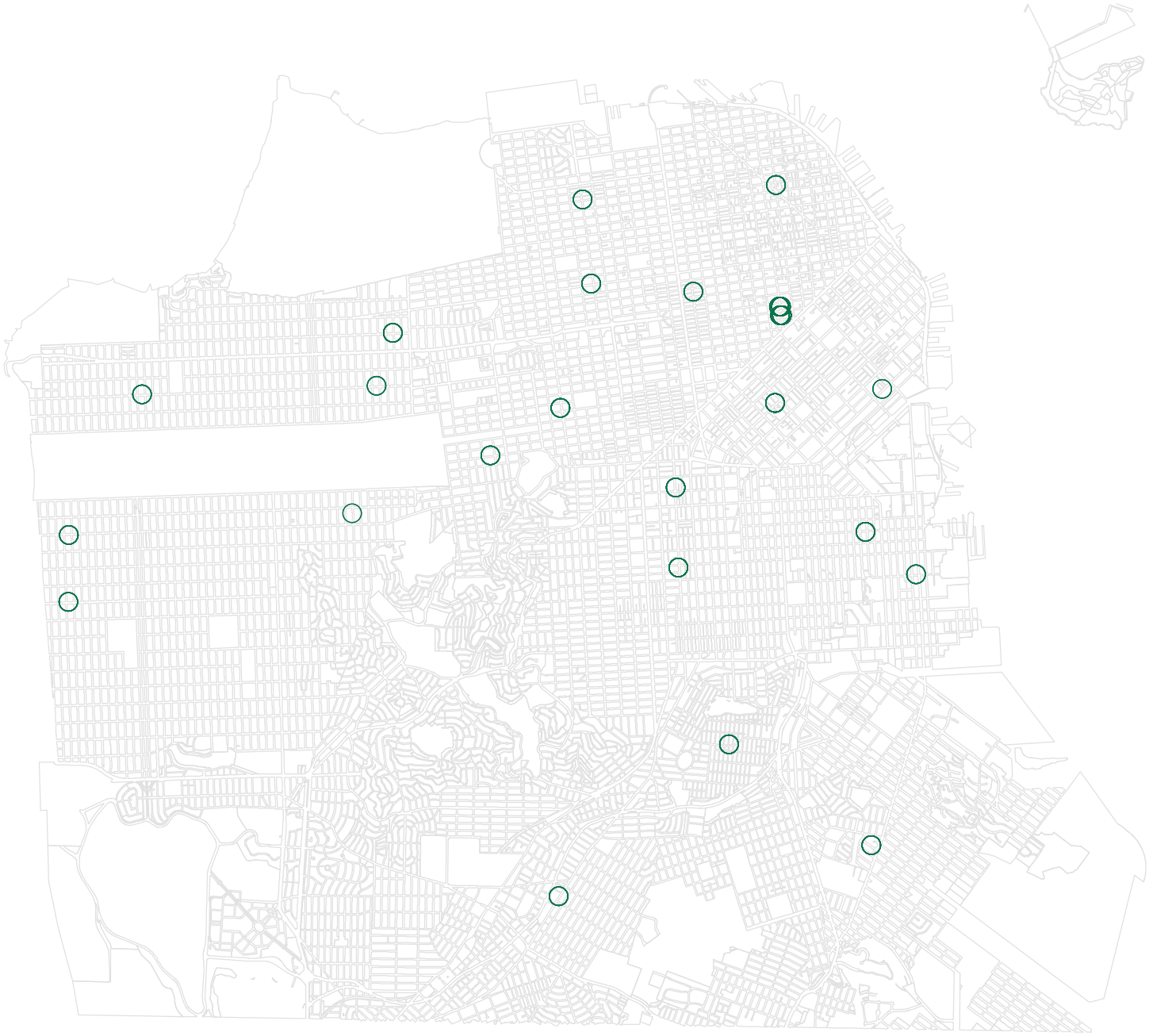
BIKE SURVEY POINTS
NO HELMET / TOTAL
BIKE SURVEYED

- Less than 25%
- 25% to 50%
- 50% to 100%

BIKE NETWORK + CYCLIST HIGH INJURY CORRIDORS +

PLG AND PARKLETS

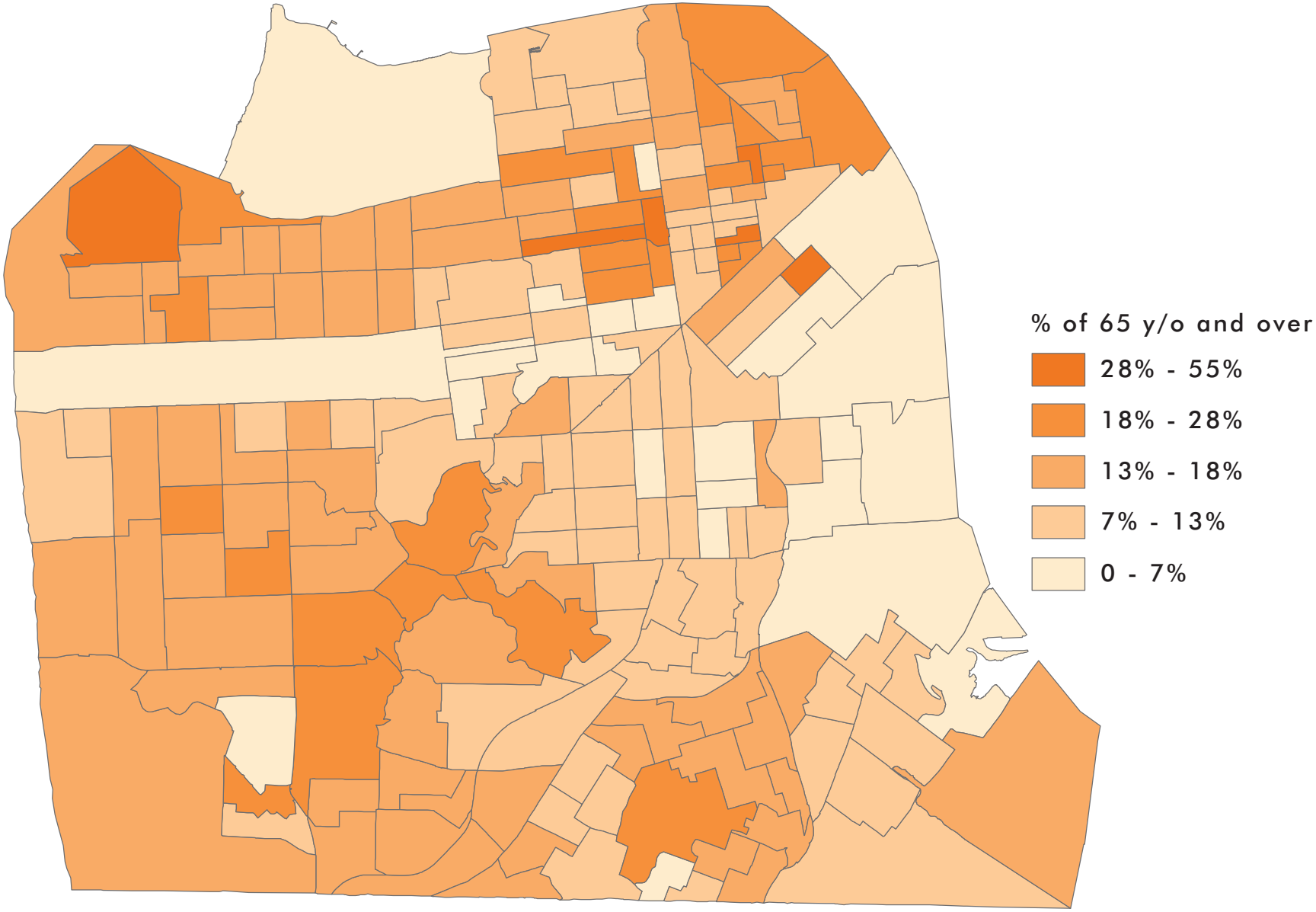
PLG



ACTIVITY SCAN SURVEY POINTS: PARKLETS FROM 2014 STUDY

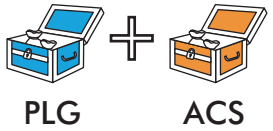
PLG AND PARKLETS

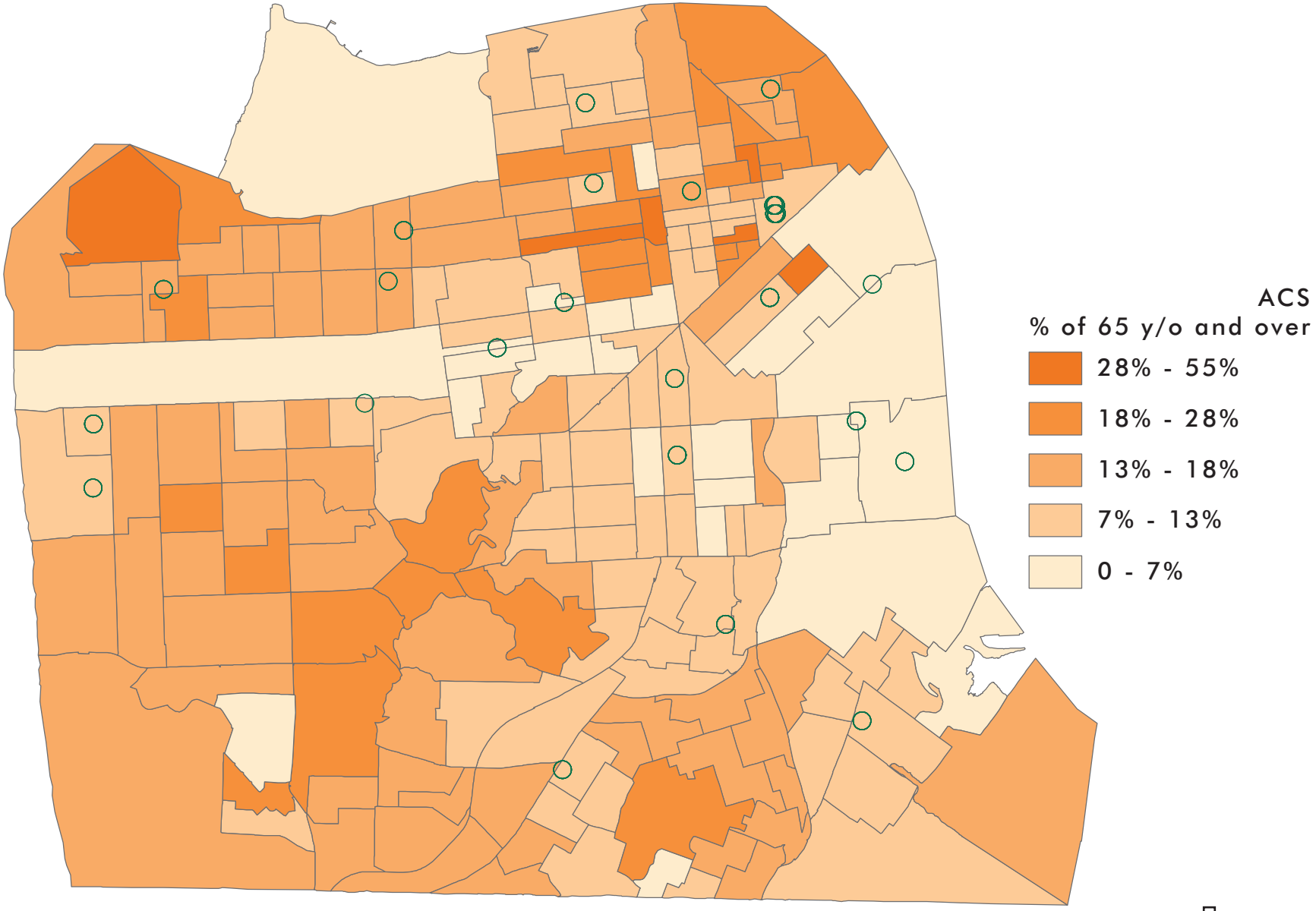
ACS



ACS 2014 CENSUS TRACTS: AGE CATEGORIES 65 and OVER

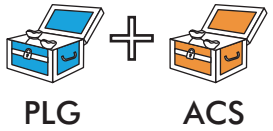
PLG AND PARKLETS

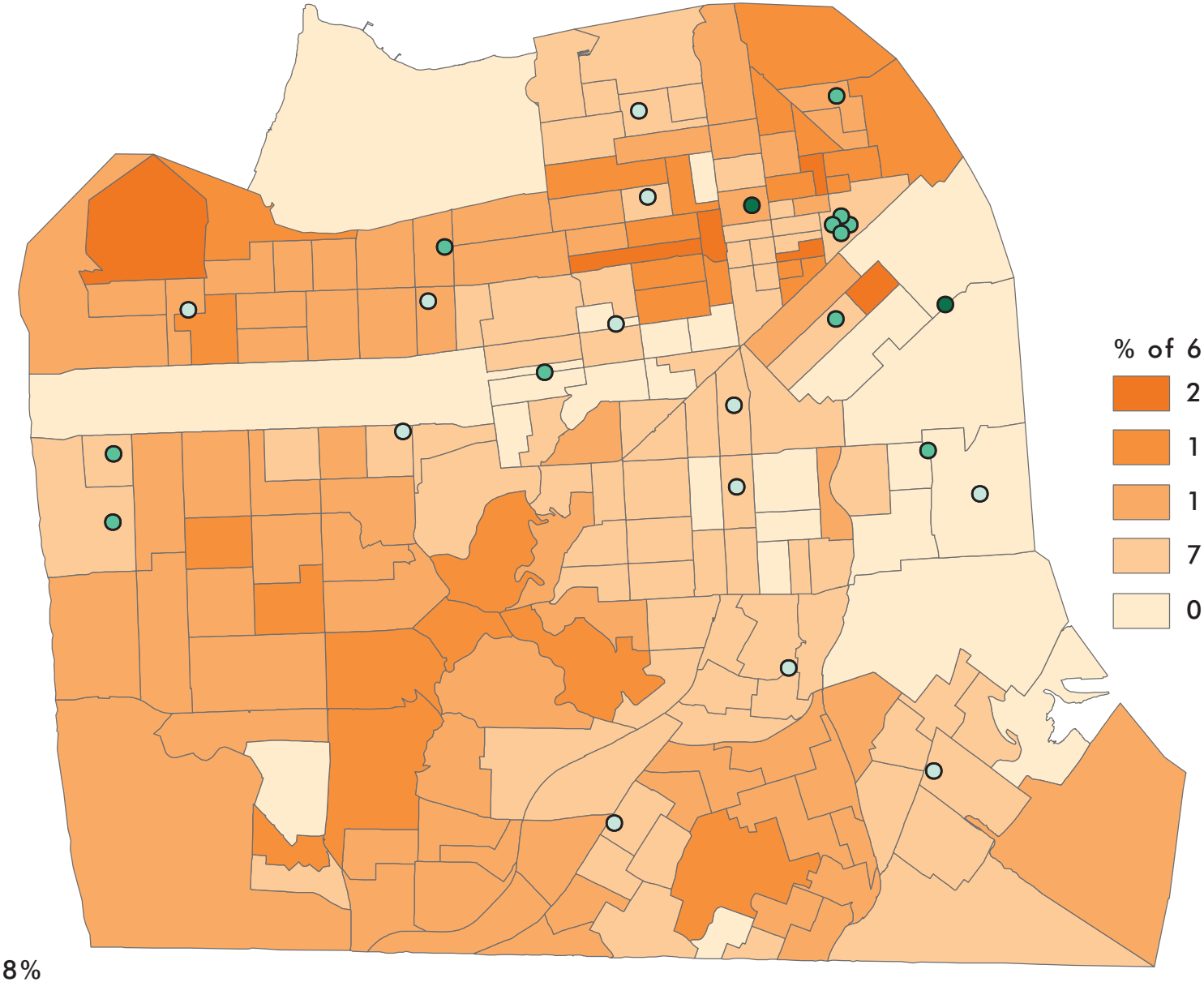




ACTIVITY SCAN SURVEY POINTS: PARKLETS FROM 2014 STUDY

PLG AND PARKLETS





Up to 8%
Up to 4%
Up to 1%

AGE 65+ / TOTAL PEDESTRIANS AT ACTIVITY SCAN SURVEY POINTS

CONCLUSION: LIMITATIONS

- DATA ENTRY STILL LIMITED TO GOOGLE FORMS, NOT DIRECTLY TO MDB
- CAUSATION / CORRELATION: WEATHER/DAY CONDITIONS / UPDATES OF OTHER DATA VS. AGE OF SURVEY
- DATA VISUALIZATION: CARTOGRAPHIC REPRESENTATION / TOPOLOGY
- MORE LITERATURE REVIEW

CONCLUSTION: RECOMMENDATIONS

GO → IMPROVE FUTURE DATA ENTRY WORKFLOW

GO → APPLY NEW METHODOLOGY TO LEGACY PUBLIC LIFE STUDIES

GO → REVISIT OTHER SURVEYS: AGE + GENDER

GO → PUBLISH PLG ONLINE: WEB MAPPING LAYERS ON ARCGIS ONLINE / CARTOdb / OpenData

CONCLUSTION: RESEARCH

GO

WHERE / WHAT WE SURVEY?

- Raise Awareness of Surveys Being Planned
- Update Questions
- Optimize Selection of Future Survey Points

GO

PARKLET EQUITY

- Parklet Geographic vs Equity Prioritization
  - Which Census Tracts have 0 access to quality public space?
  - Within those Census Tracts:
    - Demographics
    - Who are Sponsoring Parklets?

GO

PERCEPTION OF SAFETY + AESTHETICS

- Map Policies and Plans
- Relate to Public Space Elements: Trees, Furnishing, Materials
- Relate to Survey Response

THANK YOU!

SF Planning Department

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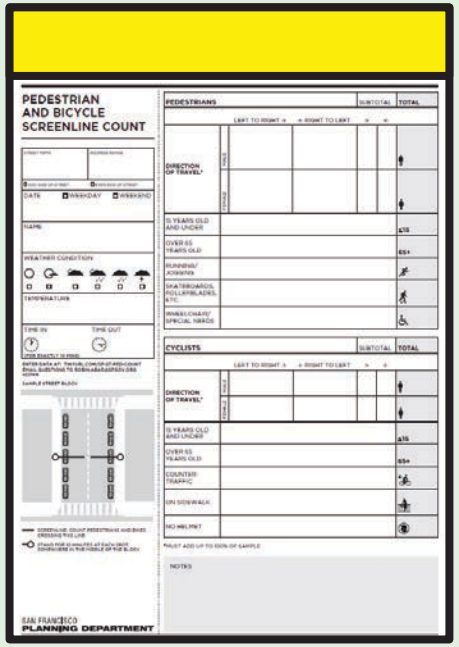
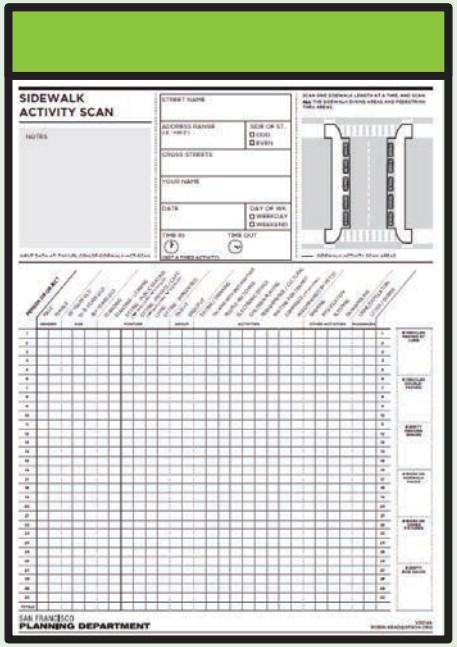
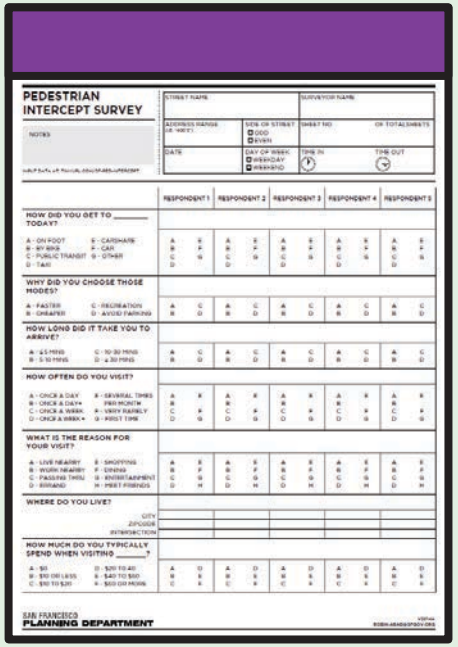
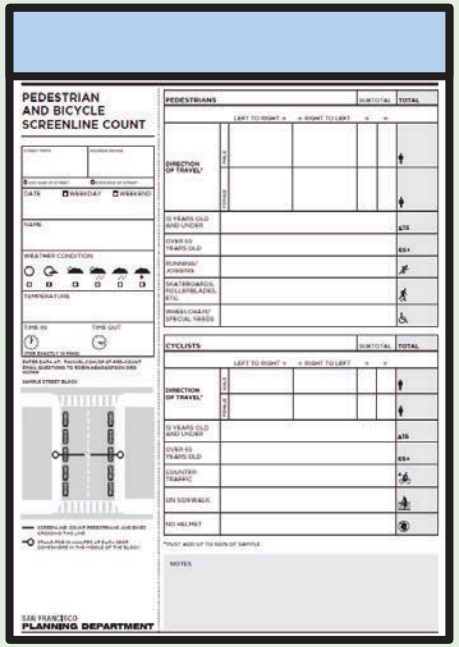
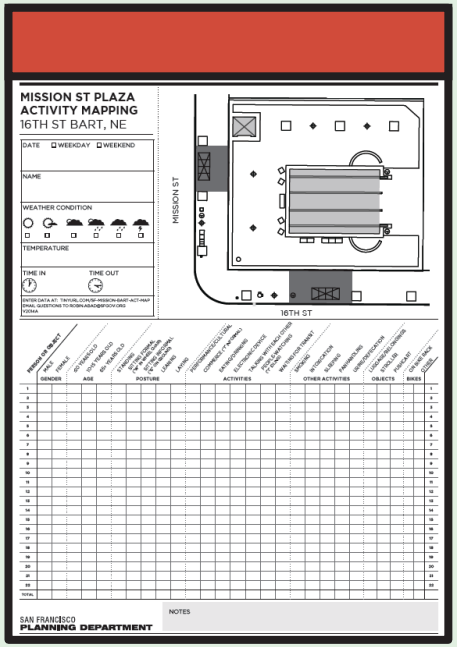
SUMMER 2016

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