

3 PROJECTES DE DADES PER A POLÍTIQUES PÚBLIQUES

“Les dades al servei del bé comú”

Data Science For Social Good

Summer Fellowship



THE UNIVERSITY OF
CHICAGO



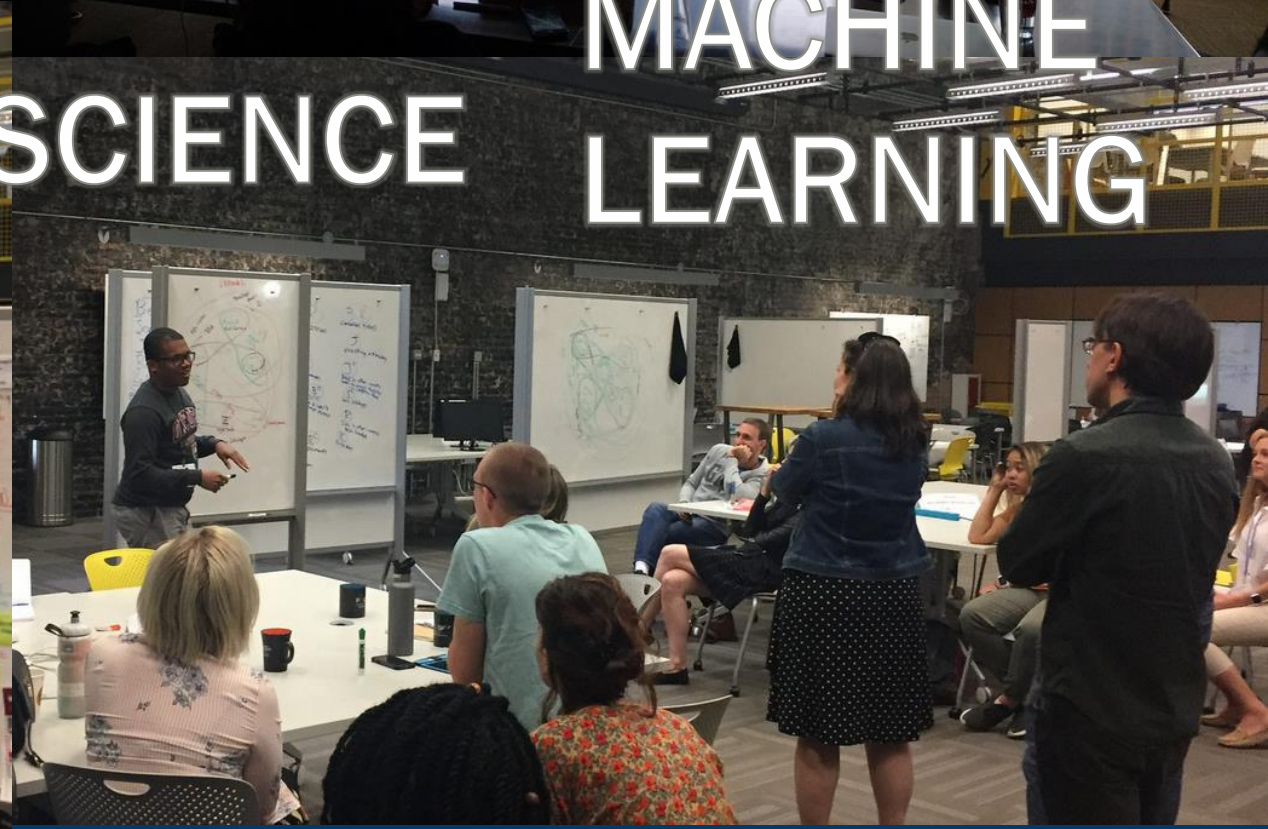
**PUBLIC
POLICY**



**MACHINE
LEARNING**



**DATA SCIENCE
SOCIAL GOOD**



EDUCACIÓ

Entitat.

Ministeri d'Educació de El Salvador
Viceministeri de Ciència i Tecnologia

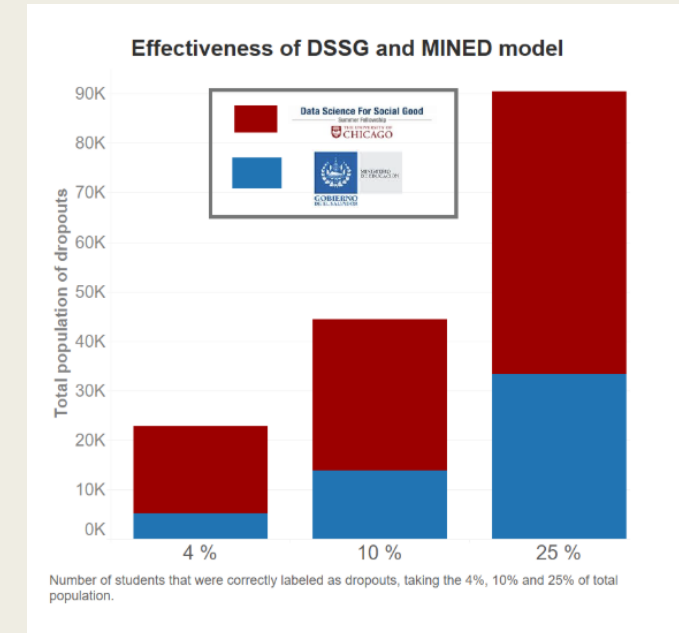
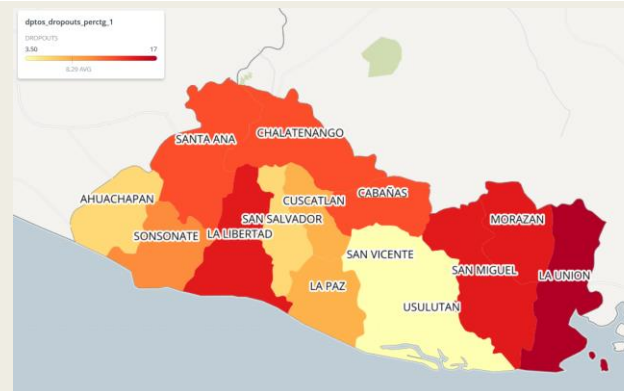
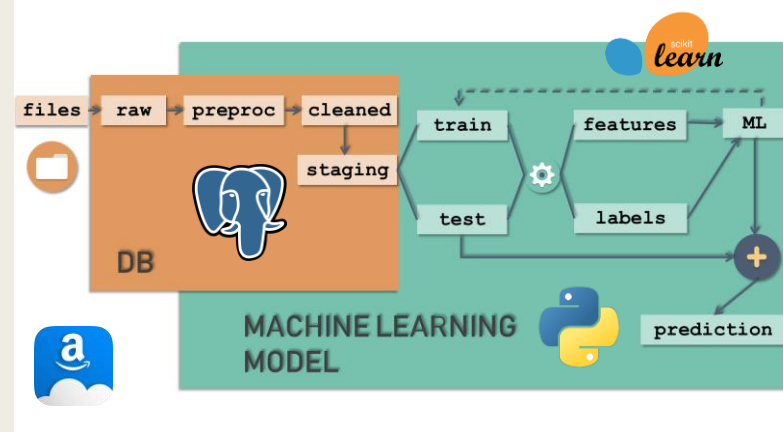
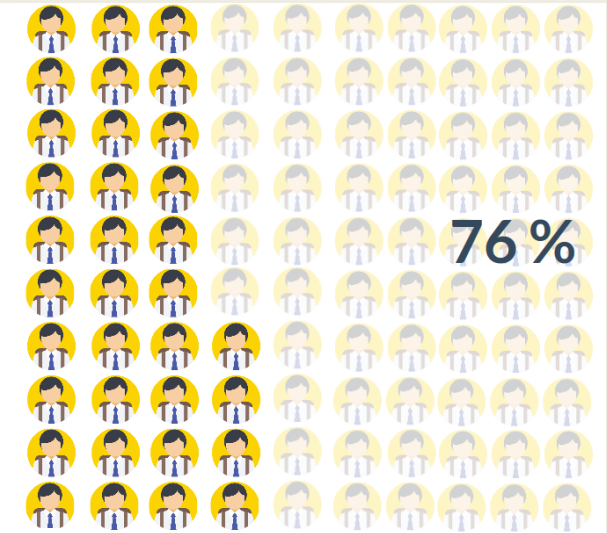
Objectiu.

Analitzar factors que afecten a
l'abandonament escolar del país

Intervencions.

Dissenyar pressupostos en funció dels
factors identificats

2018



VIVENDA

Entitat.

New York City **Mayor's Public Engagement Unit**

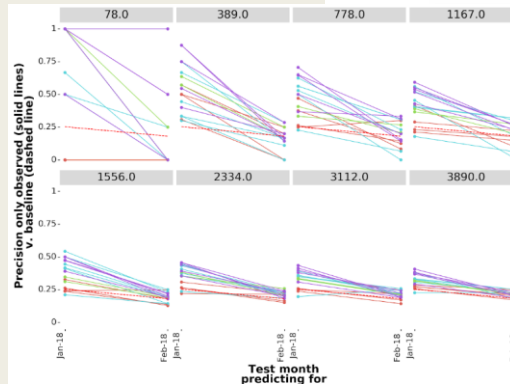
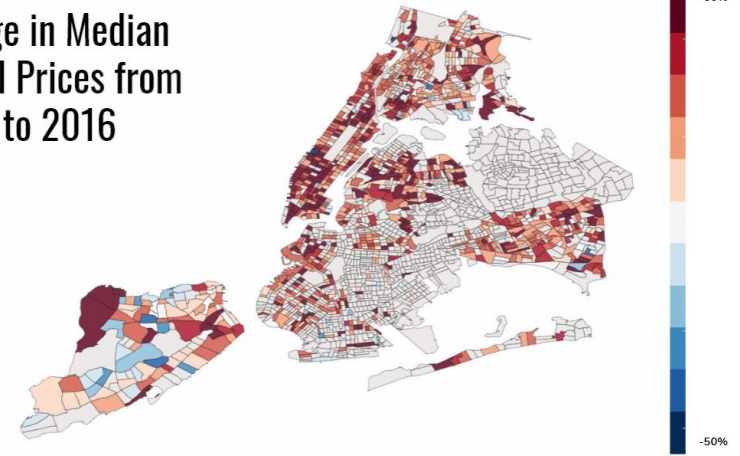
Objectiu.

Millorar l'eficàcia de la unitat d'ajuda a la persona inquilina

Intervencions.

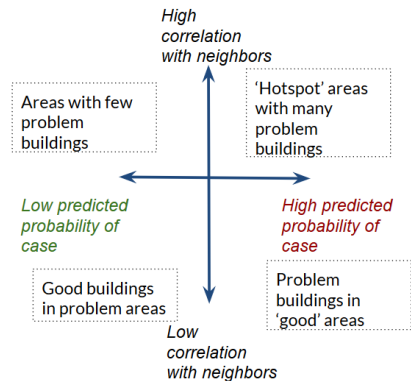
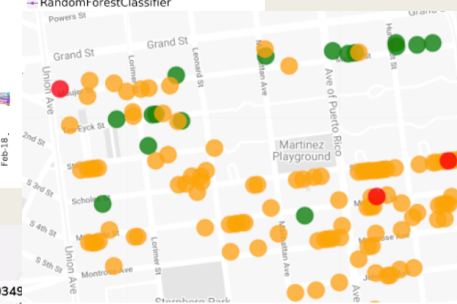
Identificar els edificis amb alt risc d'abús per part del propietari per tal d'oferir serveis legals

Change in Median Rental Prices from 2009 to 2016



Precision across models/hyperparameters: many k

- DecisionTreeClassifier
- GradientBoostingClassifier
- LogisticRegression
- RandomForestClassifier



Example of missed opportunity: neighboring buildings with different violation rates

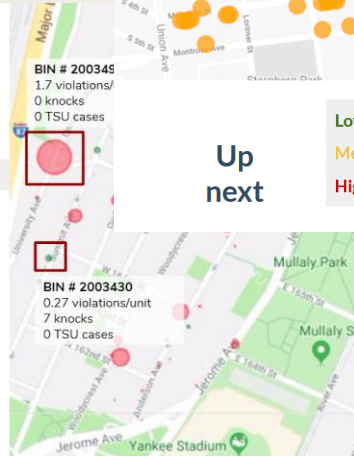
BIN # 2003430

Address
1055 University Ave, Bronx, NY, 10452

Violations & Complaints History

- 1.7 HPD violations/unit during period of TSU outreach
- Litigation for heat/hot water issues, false lead certification, and other issues

Ownership
Owned by Hamid Khan then 'HighBridge Apartment Estates LLC' / Richard Lofiano



Up next

- Low risk
- Medium risk
- High risk

TREBALL

Entitat.

Dirección del Trabajo del
Gobierno de Chile

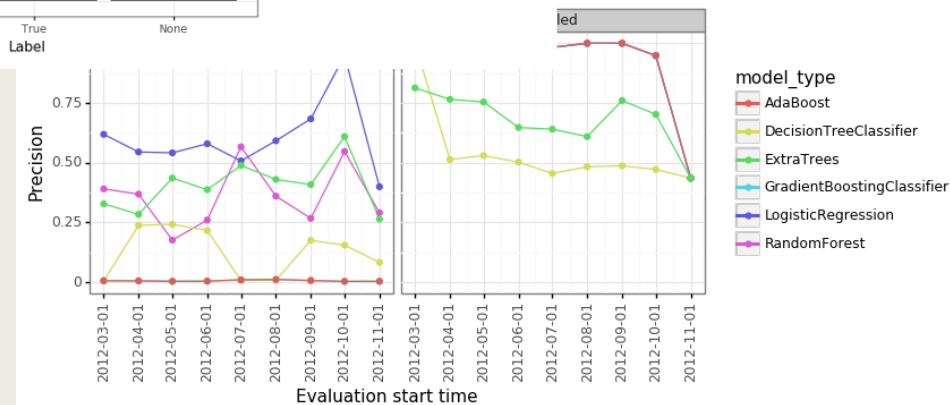
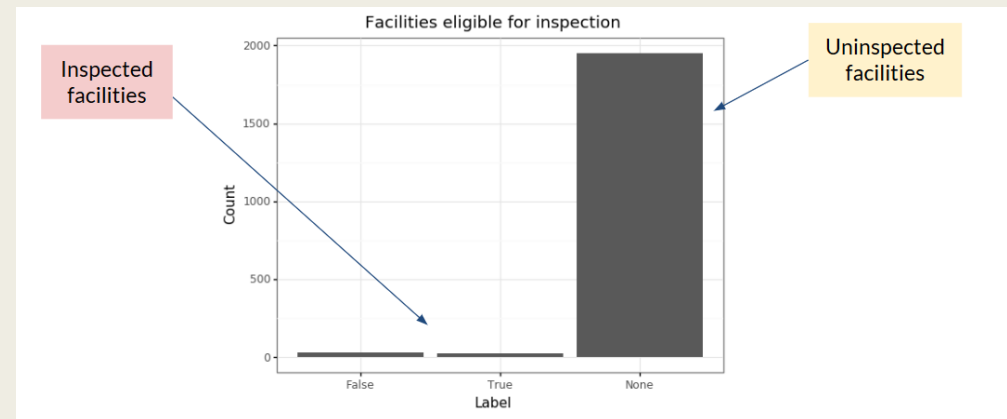
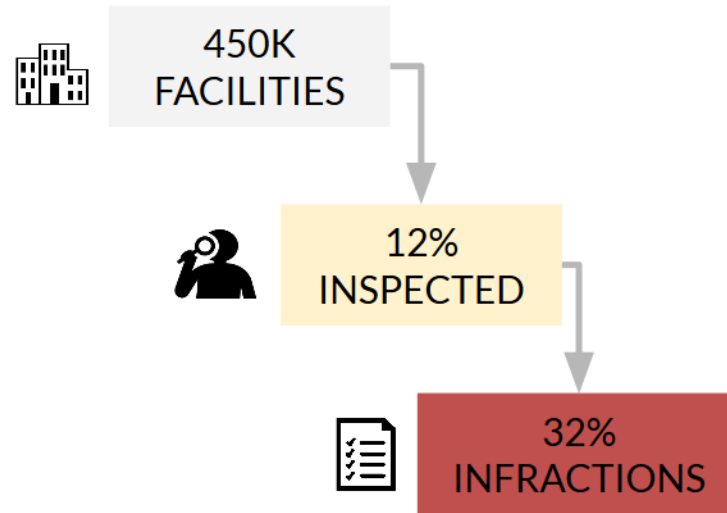
Objectiu.

Millorar la seguretat dels llocs de
treball

Reduir el número de violacions

Intervencions.

Crear un **model que prioritzi les
inspeccions**,
i així passar d'inspeccions
reactives a proactives.



Informació de contacte

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Data Science for Social Good

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github.com/dssg