

Project Proposal: Week 7

Ex-cons for Community and Social Change (ECCSC) is an organization in Chicago have a team of first responders who do violence prevention. ECCSC does not currently do anything with data and came to Harris seeking help last fall at the Scope-a-thon. For this project we are planning to map Chicago crime and police data to ECCSC's incident response work. Since ECCSC is actively deciding what internal data to collect, we will be designing a proof of concept for what this dashboard could become for the organization. The objective will be to develop visualizations demonstrating to potential funders the necessity of ECCSC as a first responder for the city of Chicago.

Data Source	Task Description	Responsible Member	Target Date
Chicago Data Portal (API)	Code API connection Identify data to pull down Filter fields Drop table into SQLite	Piper Kurtz	March 1st
Citizen (web app scrape)	Code connection to Citizen App Crawl Chicago data Extract relevant fields Drop table in SQLite	Olivia Pinney	March 1st
ECCSC Mock Data	Manually generate 100 crimes incidences in across Chicago Initiate data collection with ECCSC for one week Clean data from ECCSC Drop one ECCSC table into SQLite	Lauren Quattrocchi / Ellie Jackson	March 1st

Please give a brief sketch of the work that needs to be done to complete your project.

High-level Tasks	Task Description	Responsible Party	Target Date
Record Linkage	Data cleaning Convert location data to lat / long Match with time / location proximity (geo pandas) Generate link table	Ellie Jackson / Lauren Quattrocchi	March 6th
Django (City of Chicago Map)	Learn Django Visualization with ECCSC data onto City of Chicago Map View by neighborhood through terminal commands View by time duration	Lauren Quattrocchi / Piper Kurtz	March 13th