Urban Data Pioneers

—

Team Formation Meet-Up
February 25th, 2021

CITY OF Tulsa
A New Kind of *Energy*™

Anthony West

https://www.caringbridge.org/visit/anthonywest

Agenda

Purpose: Create multi-disciplinary learning teams of city employees and non-employees to deeply understand problems that can be informed by data analysis.

Outcomes

- Learn from each other
- Balanced teams created
- Plan for next steps and meeting times
- Clear picture of the problem you're exploring

Process

- Presentation
- Form teams
- Work in teams and identify next meeting date

UDP Mission, Vision, Values

Mission: Improve the use of data throughout the City of Tulsa

Vision: Urban Data Pioneers are the trailblazers within the City of Tulsa who lead the way in identifying best ways to utilize data, educating others, and delivering results based upon data.

Values:

- A Learning Culture

- Respect

- Integrity

- Transparency

History of Urban Data Pioneers

October 2017
Kickoff 3rd Cohort

May 2018
Engaged Cities Award

Jan. 2018
3rd cohort presentations
5 projects

May 2018
Feedback Session and
Survey Results

July 2018
Call for Projects

Sept. 2018
Kickoff 4th Cohort

August 2018
Project Scoping

November 2018
4th Cohort
Presentations

May 2019
Kickoff 5th Cohort

Sept. 5th, 2019
Kickoff 6th Cohort

July 2019
5th Cohort
Presentations

November 21st, 2019
6th Cohort
Presentations

March 5th, 2020
Kickoff 7th Cohort

May 2th, 2020
7th Cohort
Presentations

February 25th, 2021
Kickoff 8th Cohort

Goals

1. Increase data analytics skills

2. Deeply understand relevant problems at City Hall through analytics

3. Develop Report Writing Skills

4. Practice storytelling about data

5. Work across silos and with residents

Community Vote
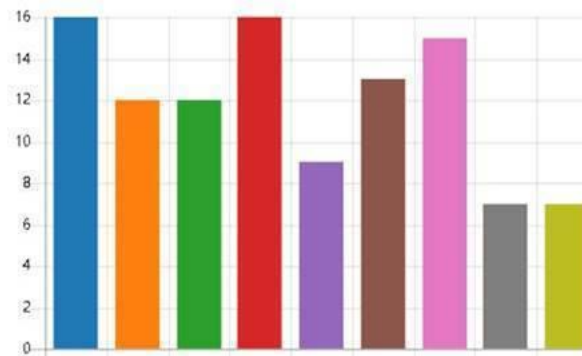
Project #1

Bike Traffic

Overview   With the addition of downtown bike lanes, we would like to determine the amount of bike traffic.

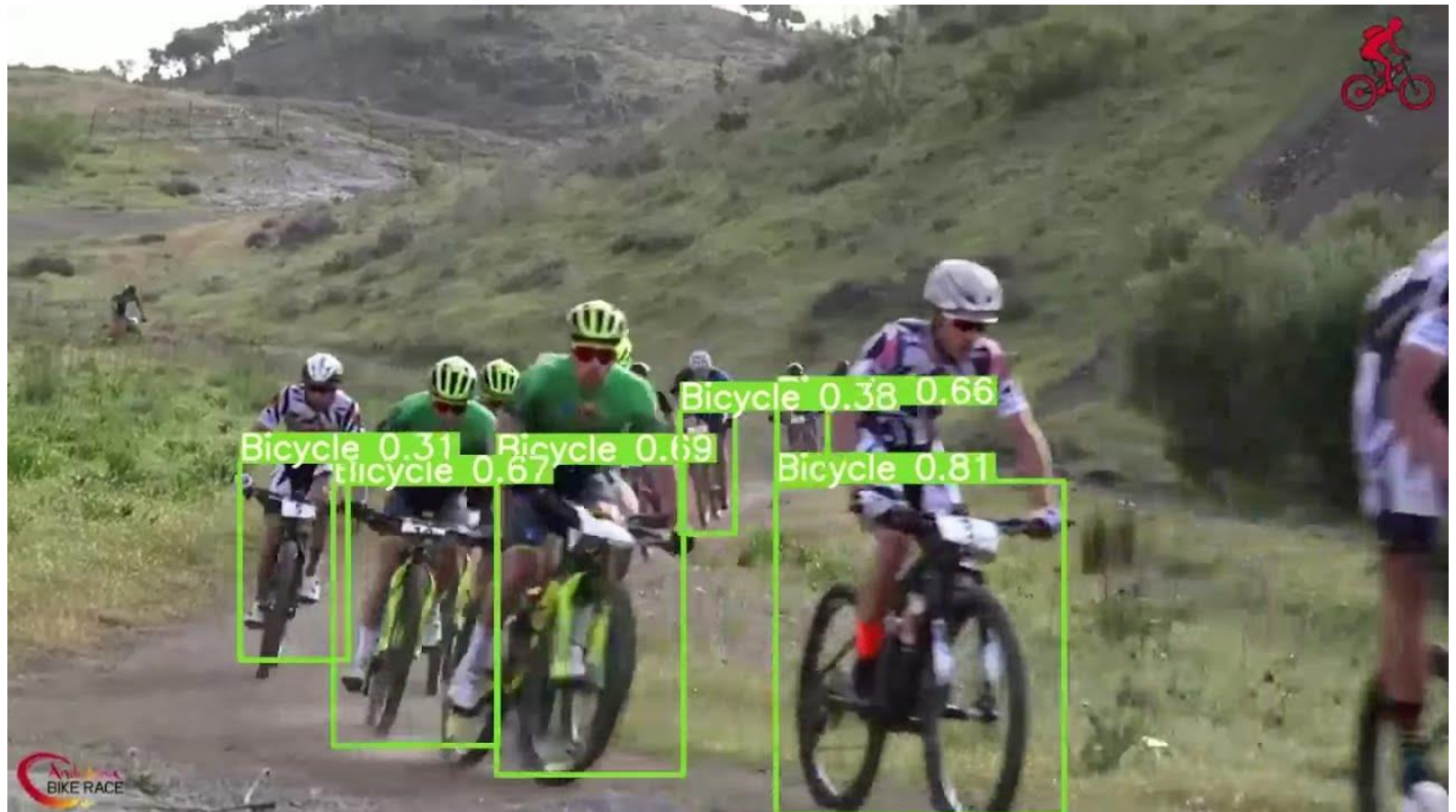Key Question   Are people using the bike lanes downtown?

Dataset(s)   Images and Video Collected by AI

Project Sponsor   Ben Harris bharris@cityoftulsa.org

Project #1 cont.

Project #2

Open Data

Overview   The City of Tulsa wants to understand what public data benefits the community the most. This project will develop a qualitative study that will eventually be used to make Open Data recommendations to the City.

Key Question   What open data is most useful to the community?

Dataset(s)   Qualitative Data

Project Sponsor   Ben Harris bharris@cityoftulsa.org

Project #2 cont.

Project #3

Black Vibe Tulsa

Overview

When building a community connection app like BlackbookLA there is a desire to expand community and understand the trade-offs between focusing on people of color generally versus African Americans specifically.

Key Question

How do we determine an ideal marketing strategy for building a community?
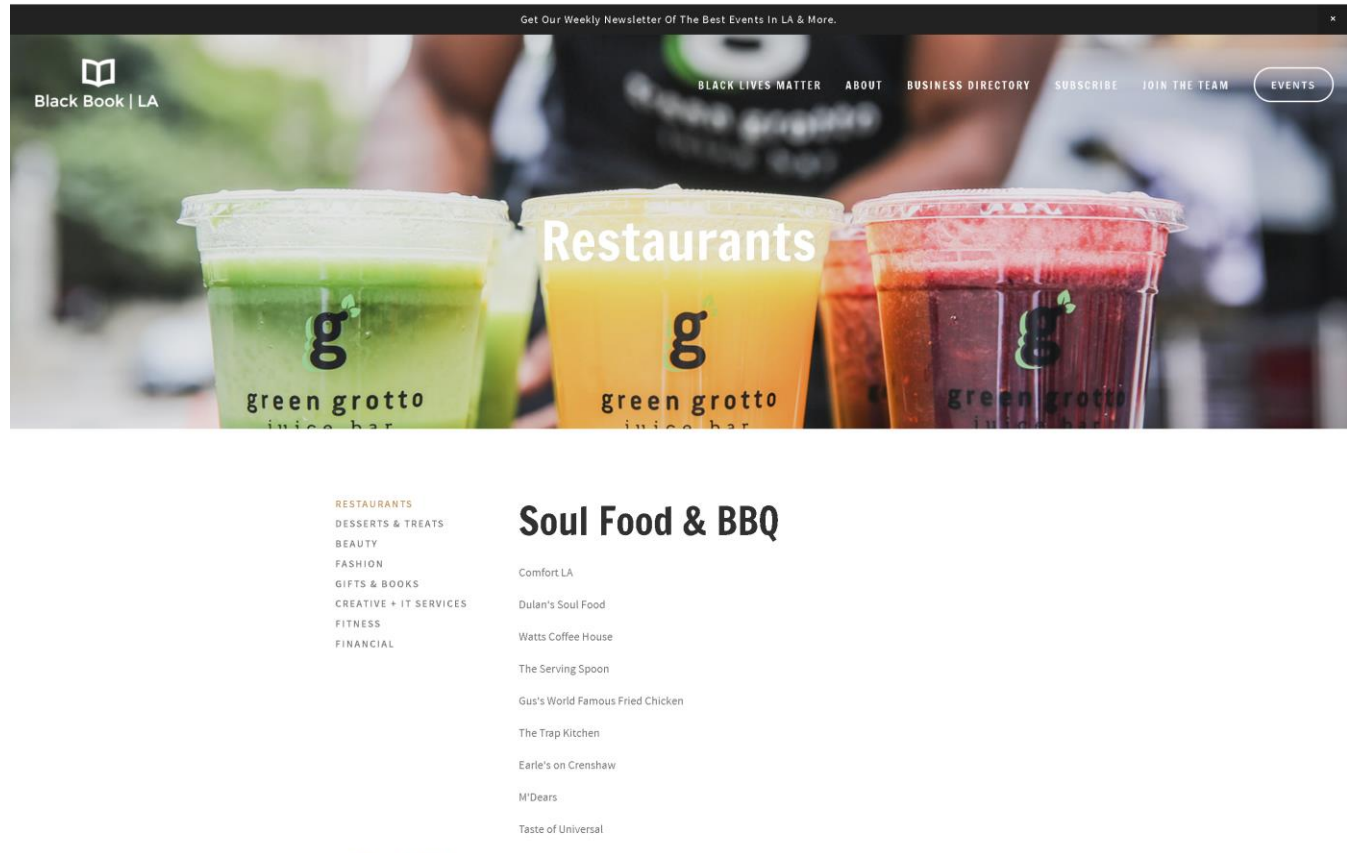
Dataset(s)

TBD

Project Sponsor

Jameelah Stuckey

Project #3 cont.

Project #4

Impervious Surfaces

Overview   The City of Tulsa periodically audits the impervious surfaces. Using an AI model to detect the different types of impervious surfaces will speed up the process.

Key Question   It's possible for the City of Tulsa to build an AI model to accurately calculate the square footage of impervious surfaces across the City.
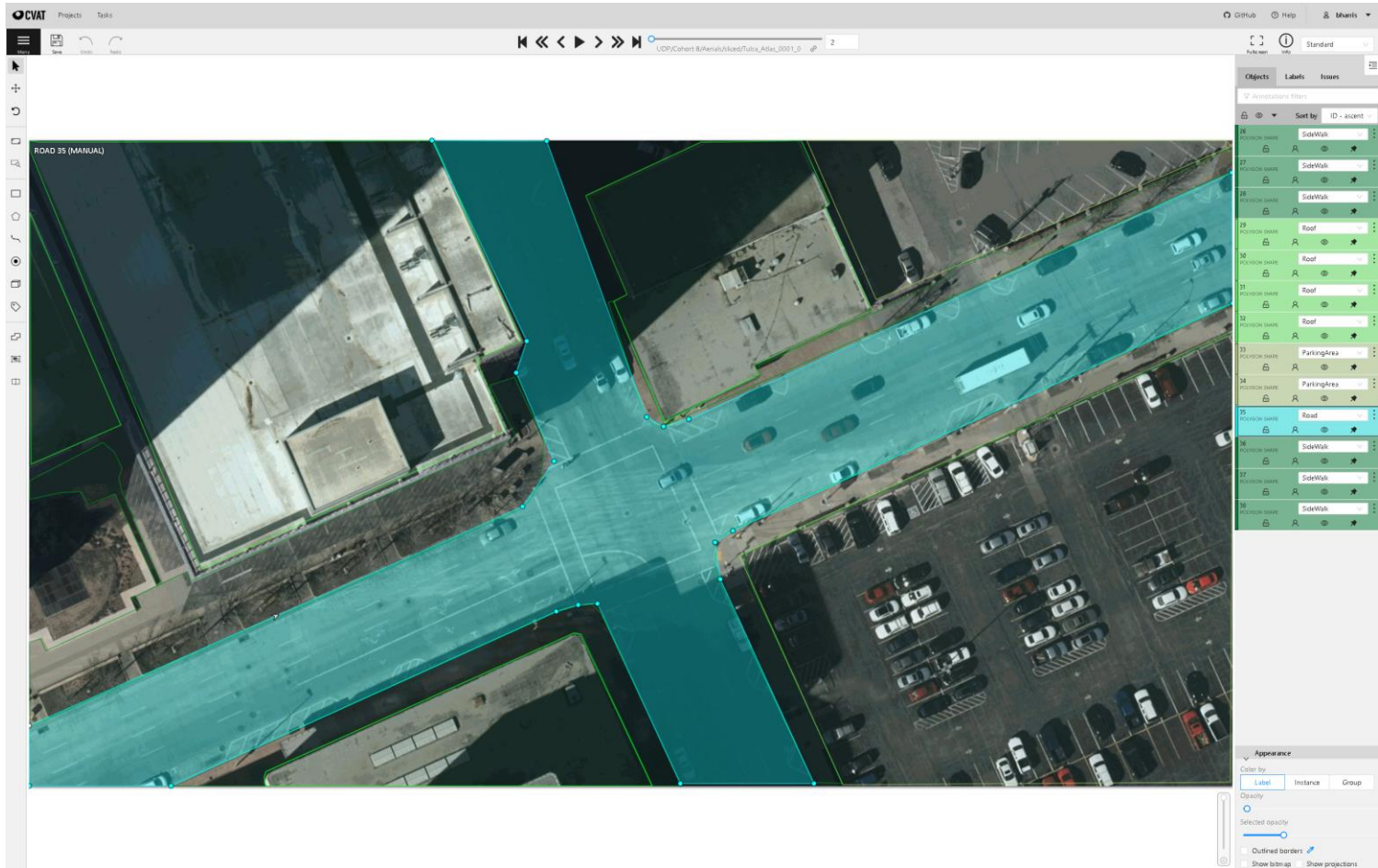
Dataset(s)   Aerial Images

Project Sponsor   Ben Harris bharris@cityoftulsa.org

Project #4 cont.

Form Teams

Each team needs:

1. Team Lead (project manager)
2. Data Analyst (Excel, Tableau, GIS, Python, R, SQL)
3. Subject Matter Expert
4. Data Storyteller
5. Learners!

Suggested Milestones

- Week 2: March. 11 – Datasets collected

- Week 5: March. 25 – Preliminary Data Analysis

- Week 8: April. 8 – Refined Data Analysis/Visualization

- Week 10: April. 22 – Draft Slide Deck

- Week 12: May 6 – Presentations

Slack
https://urbandatapioneers.slack.com

Recommend installing Slack App (Windows, Mac, iOS, Android)

Virtual Meetings

Uber Conference

- Screen Sharing (Need Google Chrome)
- Call-in or VOIP
- Call Recording
- Limited to 10 people for free version
- Fun hold music!

Awards

Best Overall Team: The team that exhibited strong teamwork and collaboration, exhibited by data analysis, presentation, and learning.

Most Unique Insight: The most unusual or unexpected observation.

Help!

UDP Projects

Ben Harris   bharris@cityoftulsa.org   918.576.5139

1 Choose a Project

2 Form a Team

3 Roster & Charter
Post charter on Slack!

4 Meet & Repeat