

Urban Data Pioneers

Team Formation Meet-Up
February 25th, 2021



Tulsa CITY OF
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

May 2019
Kickoff 5th Cohort

August 2018
Project Scoping

Sept. 5th, 2019
Kickoff 6th Cohort

November 2018
4th Cohort
Presentations

March 5th, 2020
Kickoff 7th Cohort

July 2019
5th Cohort
Presentations

May 2th, 2020
7th Cohort
Presentations

November 21st, 2019
6th 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

Questions

Responses **48**

UDP February 2021

48

Responses

93:43

Average time to complete

Active

Status










...

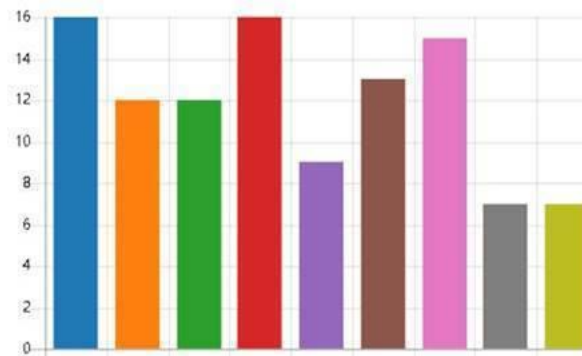
[View results](#)

 [Open in Excel](#)

1. Select your two favorite projects for the next cohort.

[More Details](#)

-  Bicycle Pedestrian Counter - H... 16
-  License Plate Identification - H... 12
-  Parks and Recreation Asset Lo... 12
-  Black Vibe Tulsa - UDP will perf... 16
-  Bulky Waste pickup cost estim... 9
-  Bicycle Comfort Level Map - A... 13
-  OPEN DATA - What data sets ... 15
-  311 IVR - Help make our IVR s... 7
-  Covid Safety App - Can we de... 7



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)

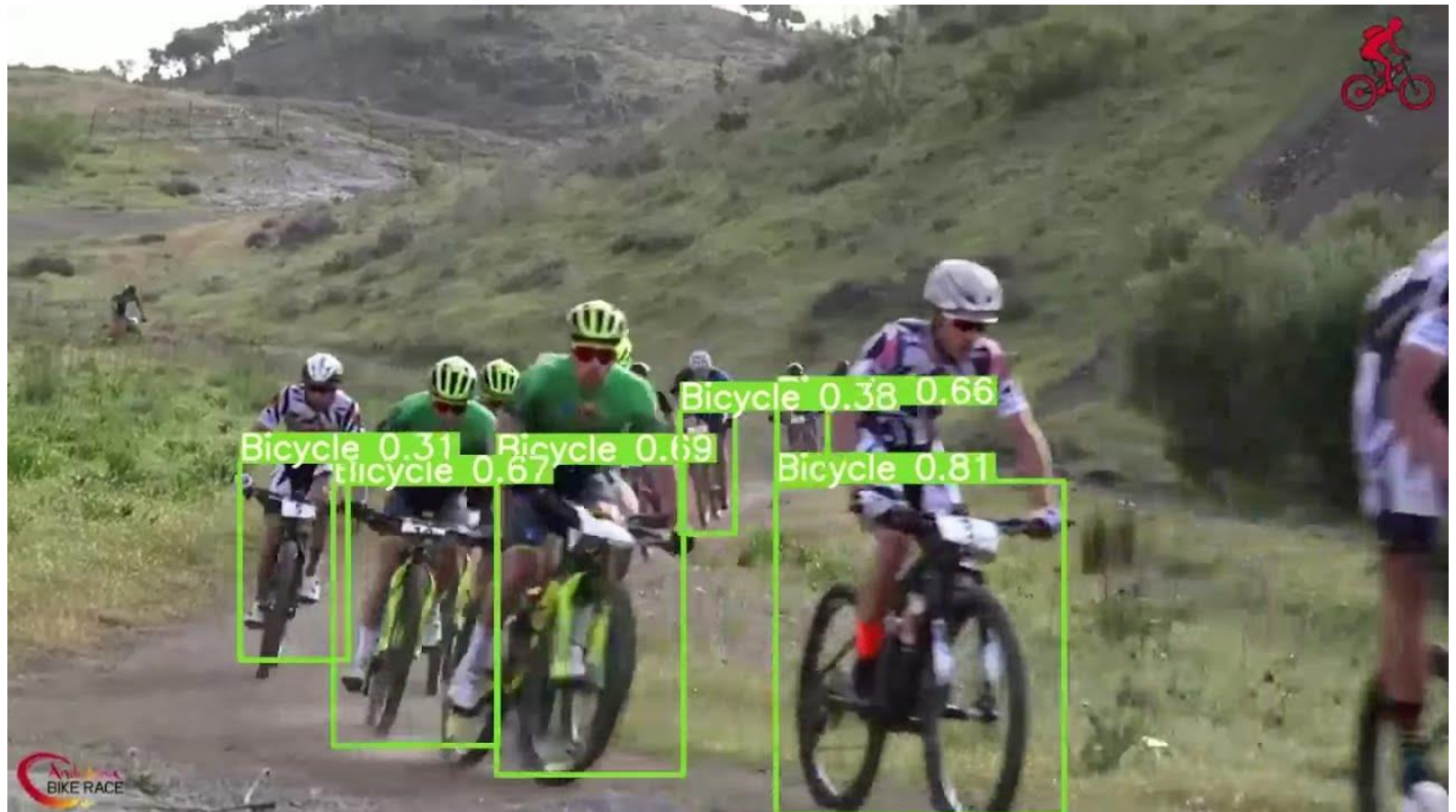
Images and Video Collected by AI

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.




This is the City of Tulsa Open Data Portal.
Use this portal to download, view and share the maps and data that we have available for the public.

Find Data


Explore Data Categories




Recreation




Political



Public Safety



Land Use



Other



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)

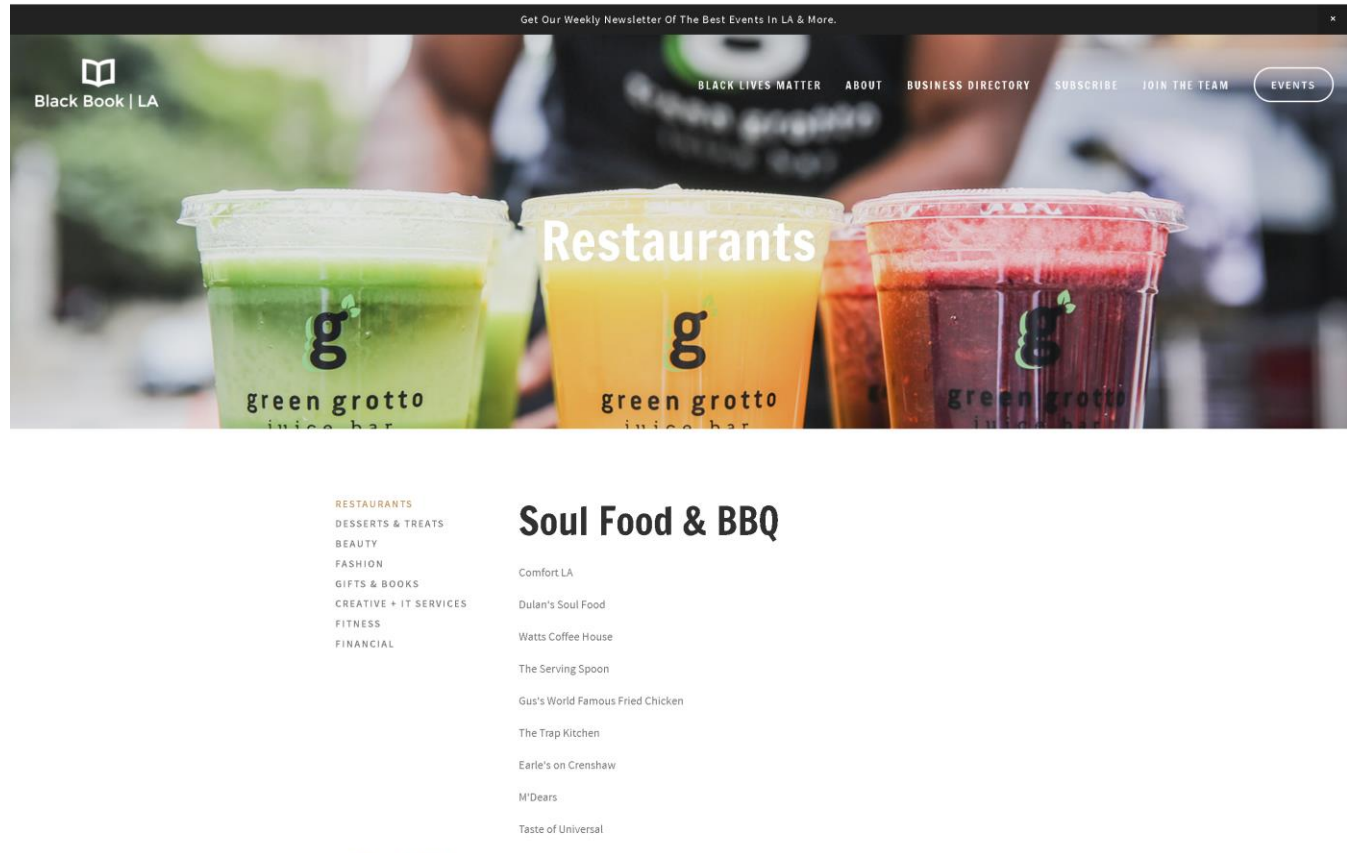
TBD

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)

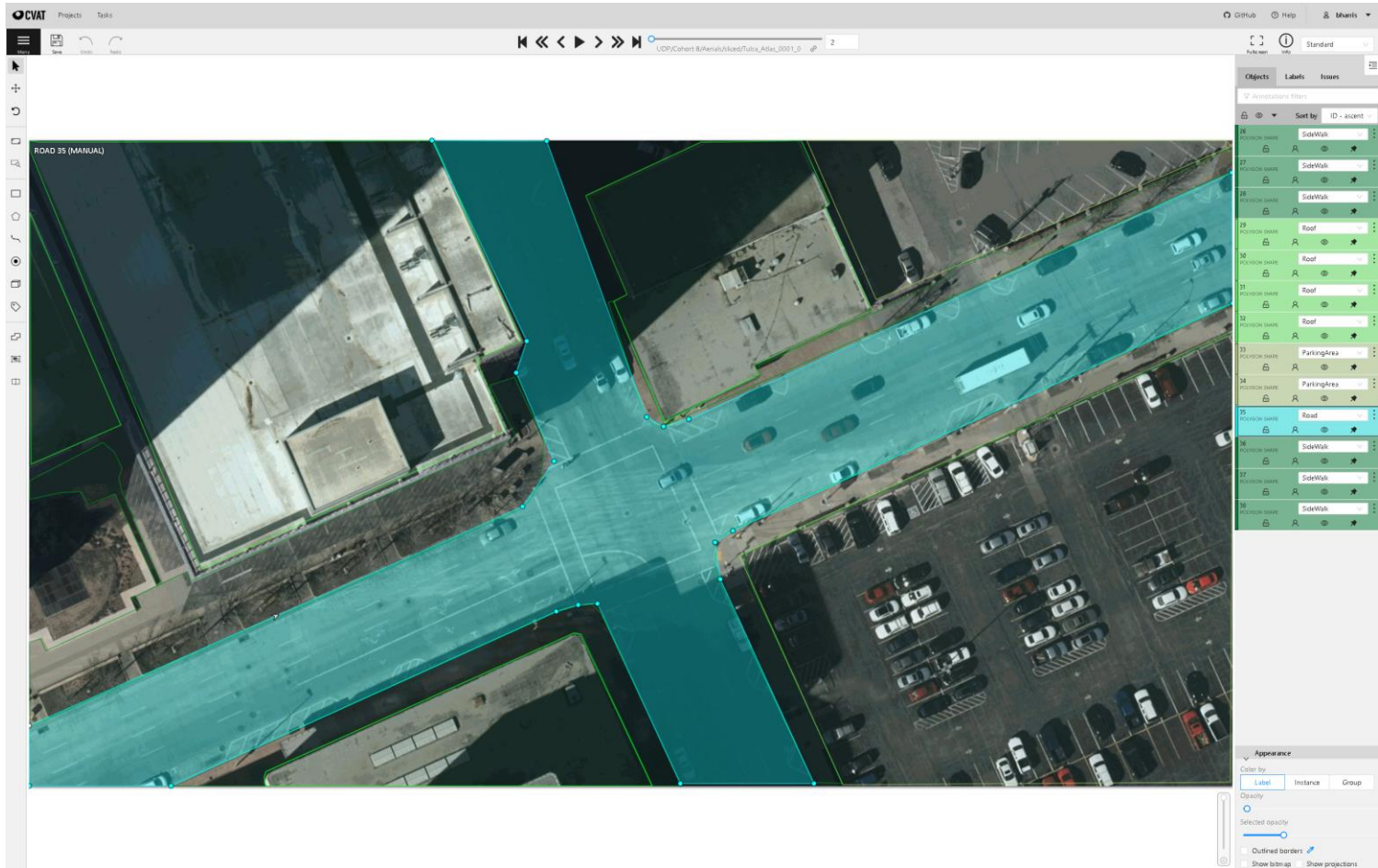
Aerial Images

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>

Slack - Urban Data Pioneers

File Edit View History Window Help

Urban Data Pion... James Wagner

All Threads

CHANNELS

blight_crime

dashboard_dev

general

income

landuse

popgrowth

random

streets

traffic_crashes

utilitybilling

DIRECT MESSAGES

slackbot

James Wagner (you)

Chase Phillips

Delta Kimbrel

John Dungan

Penny Macias

Steven Eller

Tim Whitley

#general

82 | 0 | Company-wide announcements and work-based matters

discuss the next round of projects. Come with ideas for new projects.

Yesterday

Today new messages

Penny Macias 7:55 AM

@everyone Did you make an awesome visualization for the first round of projects? If so, you might consider entering it into this competition for visualization of the month. It would be a great way to showcase the work we're doing here if anyone is interested: <http://datasmart.ash.harvard.edu/news/article/send-us-your-best-maps-and-data-visualizations-1014>

Data-Smart City Solutions

Send Us Your Best Maps and Data Visualizations! | Data-Smart City Solutions

To further highlight the impactful work being done in the area of data visualization and mapping, we are pleased to announce a new recognition program, Map of the Month, an initiative of the Innovations in Government Program at the Harvard Kennedy School's Ash Center for Democratic Governance and Innovation. (111kB)

Message #general

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

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1

Choose a Project

2

Form a Team

3

Roster & Charter
Post charter on Slack!

4

Meet & Repeat

