



# Project Portfolio

[LinkedIn](#)

[Github](#)

## Data Science

- Predict Blue Bike Demand
- AI & ML Practice

## GenAI

- Open Source LLM Model applied on qualitative & quantitative data

## Social Science

- Non Profit Analysis
- Social Impact Analysis

## Creative Projects

- Gait Analysis
- Employee Attrition

# GENAI

## Apply GenAI on your File

Insert your file



Drag and drop file here

Limit 200MB per file • PDF

Browse files



Interview\_Transcript.pdf 72.4KB



Ask your question here

how old is Willie Carter

seventy-two years old

**Huggingface Open  
source LLM Model** 🧠

**Deploy Locally**



### History

Question 1: Give me a summary of this file

Answer 1: Willie Carter was a Vietnam veteran who was drafted into the military.

Question 2: how old is

Answer 2: seventy-two years old

## SELECTED EXAMPLE

## Automated Data Analysis with AI

Upload the CSV file



Drag and drop file here

Limit 200MB per file • CSV

Browse files



company-sales.csv 0.6KB

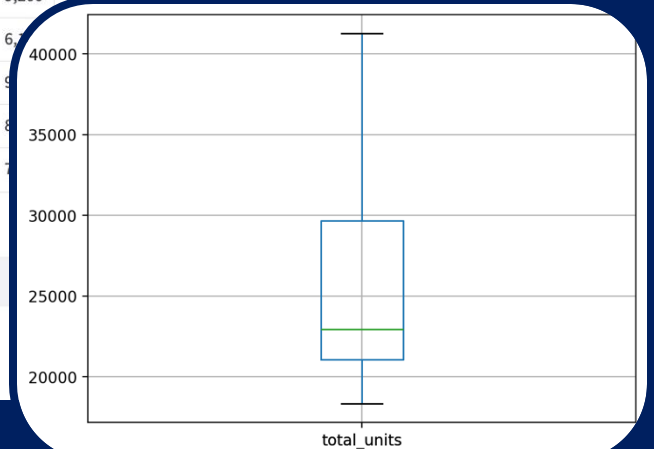


	er	facecream	facewash	toothpaste	bathingssoap	shampoo	moisturizer	total_units	total_profit
0	1	2,500	1,500	5,200	9,200	1,200	1,500	21,100	211,000
1	2	2,630	1,200	5,100	6,700	1,200	1,500	21,100	211,000
2	3	2,140	1,340	4,550	9,200	1,200	1,500	21,100	211,000
3	4	3,400	1,130	5,870	8,200	1,200	1,500	21,100	211,000
4	5	3,600	1,740	4,560	7,200	1,200	1,500	21,100	211,000

Ask your question here

seaborn boxplot on column total\_units

Analyze

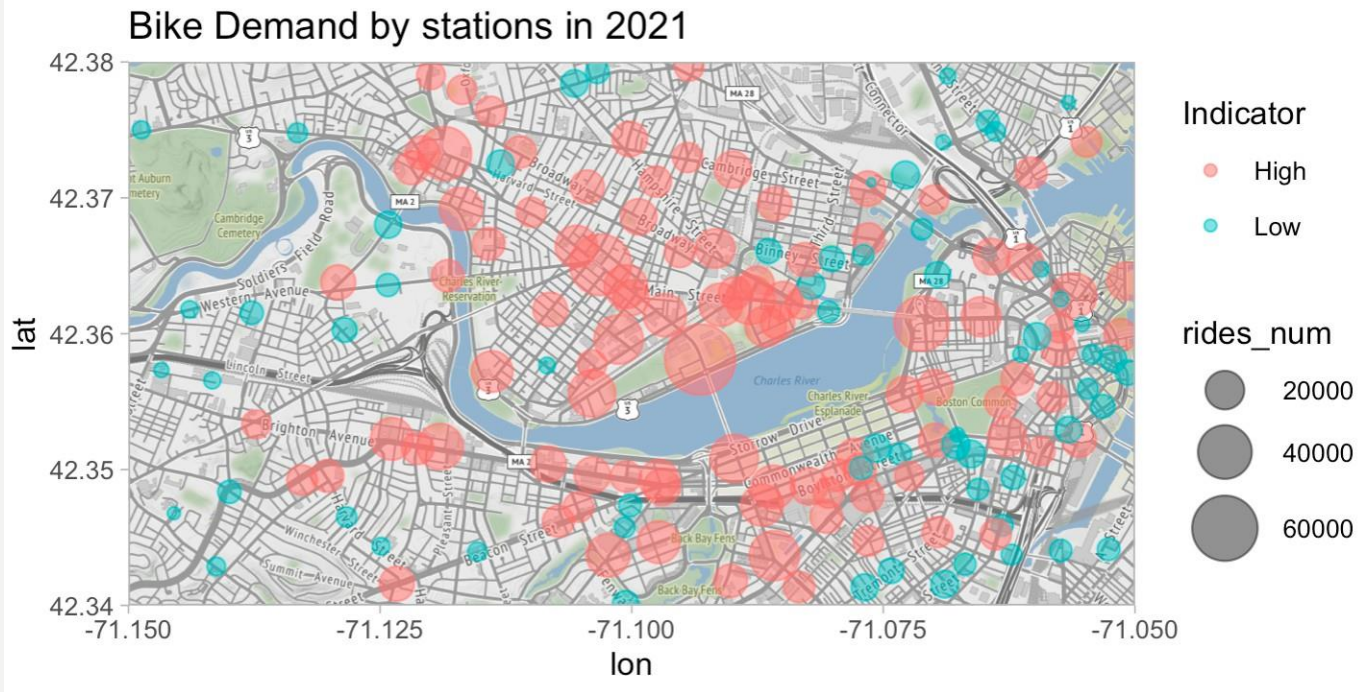


**Huggingface + PandasAI  
Open Source Model** 🧠

**Deploy Locally**



# PREDICT BLUE BIKE DEMAND



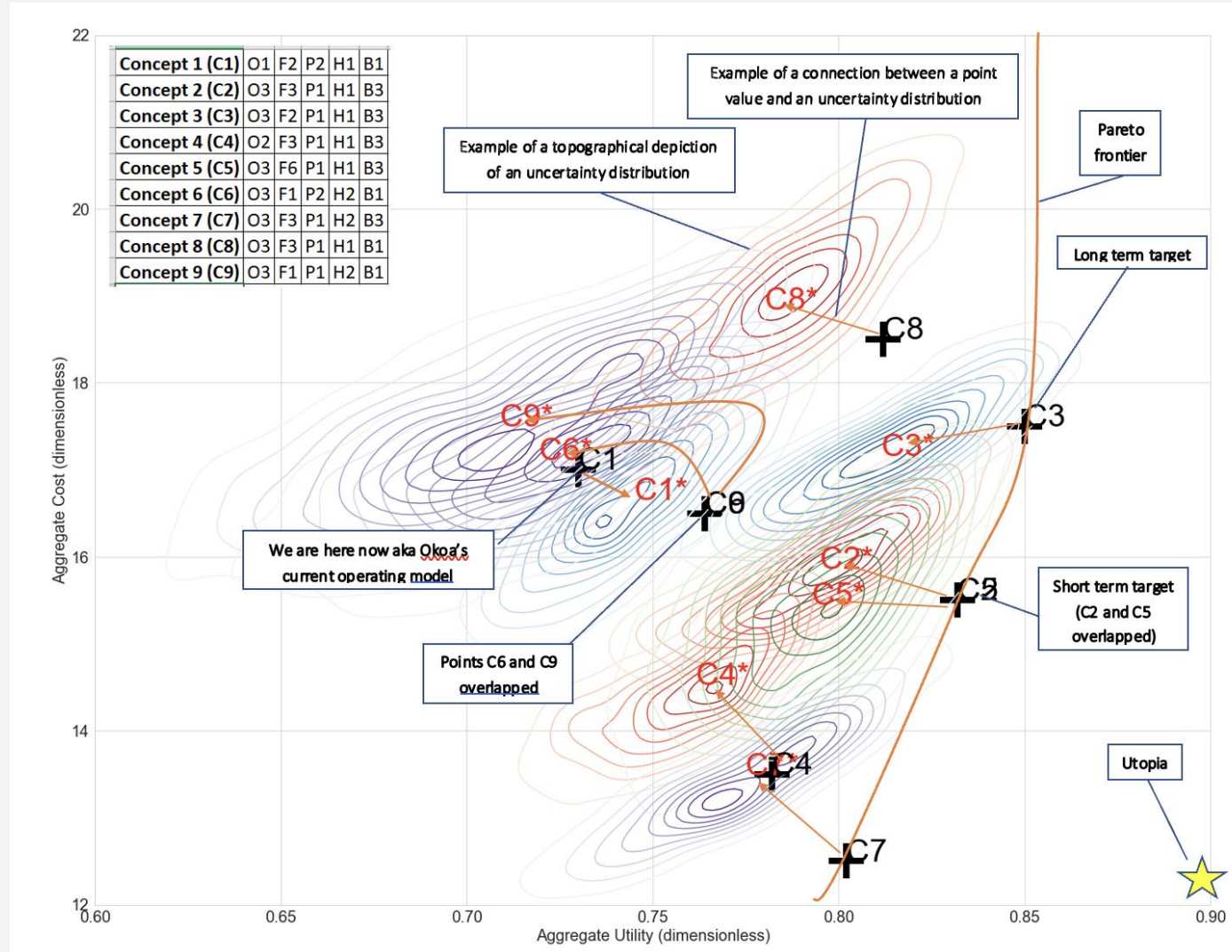
Metrics	<i>Linear Regression</i>	<i>LR-Lasso Regression</i>	<i>SVR</i>	<i>Random Forest</i>	<i>XGBoost Tree</i>	<i>Neura Net</i>
<i>RMSE</i>	210.61	210.63	185.66	120.55	94.90	<b>93.70</b>
<i>R Square</i>	0.5042	0.5042	0.6148	0.8379	0.8993	<b>0.901</b>

Using Machine Learning to Predict Blue bike Demand in Boston, MA

Language: 



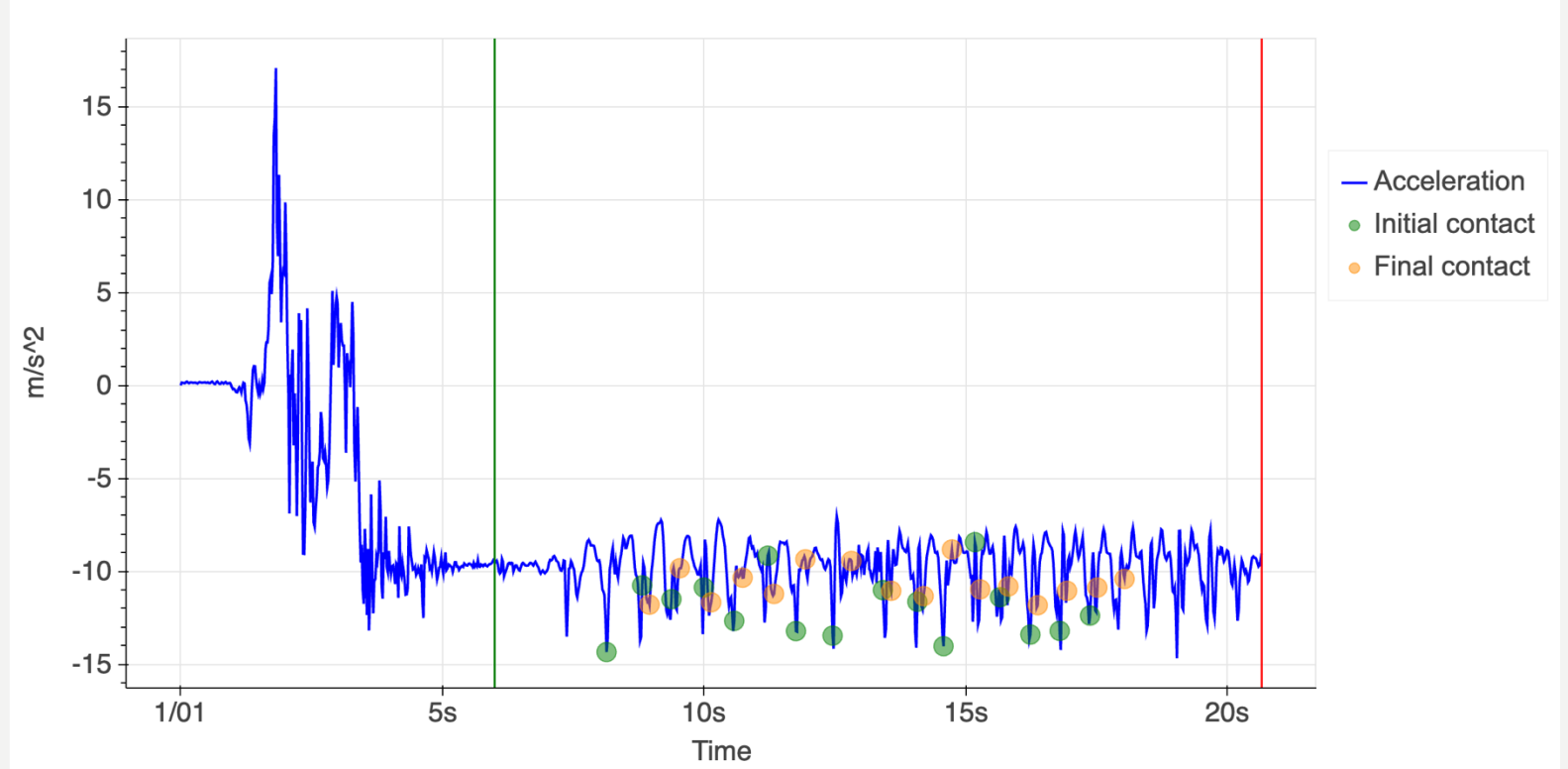
# SOCIAL IMPACT ANALYSIS



System Complexity Analysis to help Okoa (a NGO providing ambulances in Africa) transfer to a hybrid social enterprise with recommended Model

Language: Python 

# GAIT ANALYSIS



Convert Accelerometer Data into Gait Metrics from Wearable sensors using Pre-trained Random Forest Classifier

Language: Python 

# EMPLOYEE ATTRITION

Data Analysis Summary  
on Employee Attrition

Language: Python

