



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

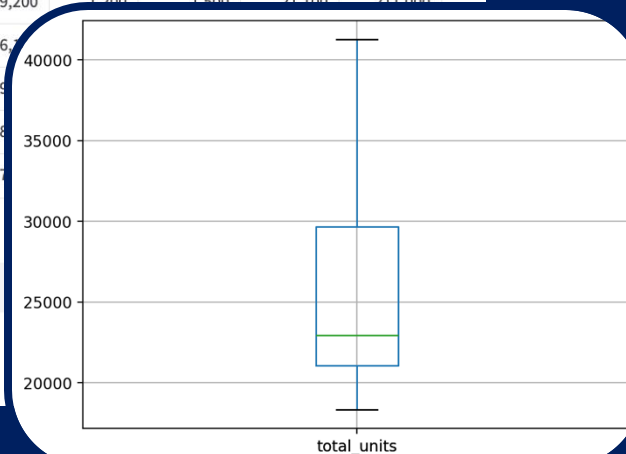


	er	facecream	facewash	toothpaste	bathingssoap	shampoo	moisturizer	total_units	total_profit
0	1	2,500	1,500	5,200	9,200	1,200	1,500	21,100	211,000
1	2	2,630	1,200	5,100	6,700	900	1,500	21,100	211,000
2	3	2,140	1,340	4,550	9,200	1,200	1,500	21,100	211,000
3	4	3,400	1,130	5,870	8,200	1,200	1,500	21,100	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



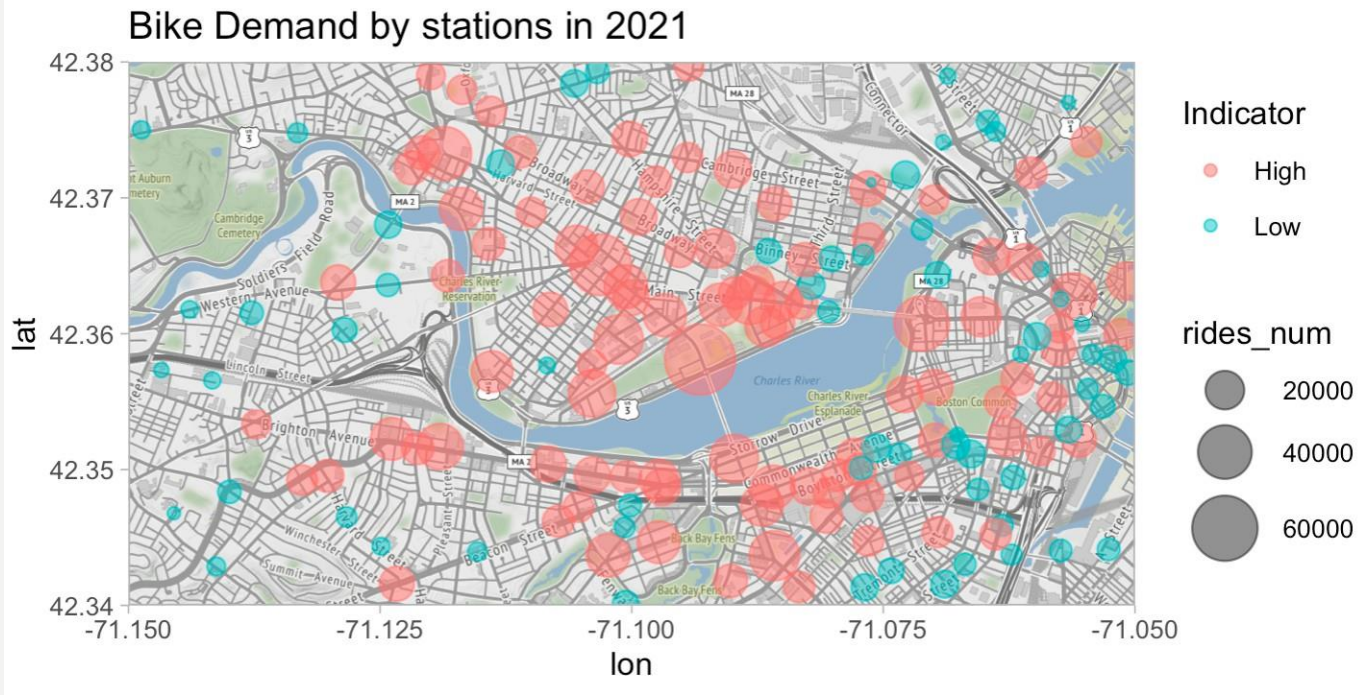
Huggingface + PandasAI
Open Source Model



Deploy Locally



PREDICT BLUE BIKE DEMAND

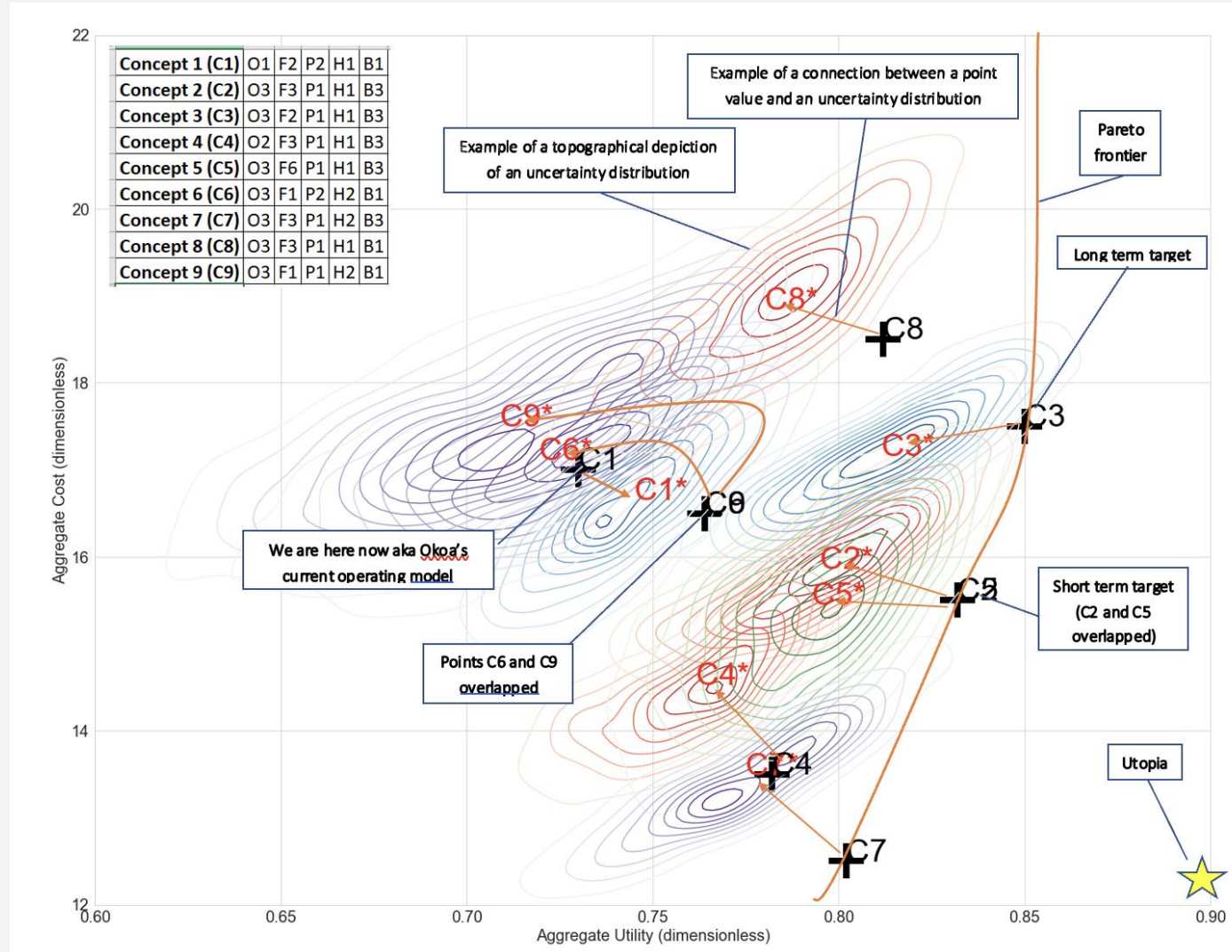


Metrics	<i>Linear Regression</i>	<i>LR-Lasso Regression</i>	<i>SVR</i>	<i>Random Forest</i>	<i>XGBoost Tree</i>	<i>Neura Net</i>
<i>RMSE</i>	210.61	210.63	185.66	120.55	94.90	93.70
<i>R Square</i>	0.5042	0.5042	0.6148	0.8379	0.8993	0.901

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

Language: 

SOCIAL IMPACT ANALYSIS

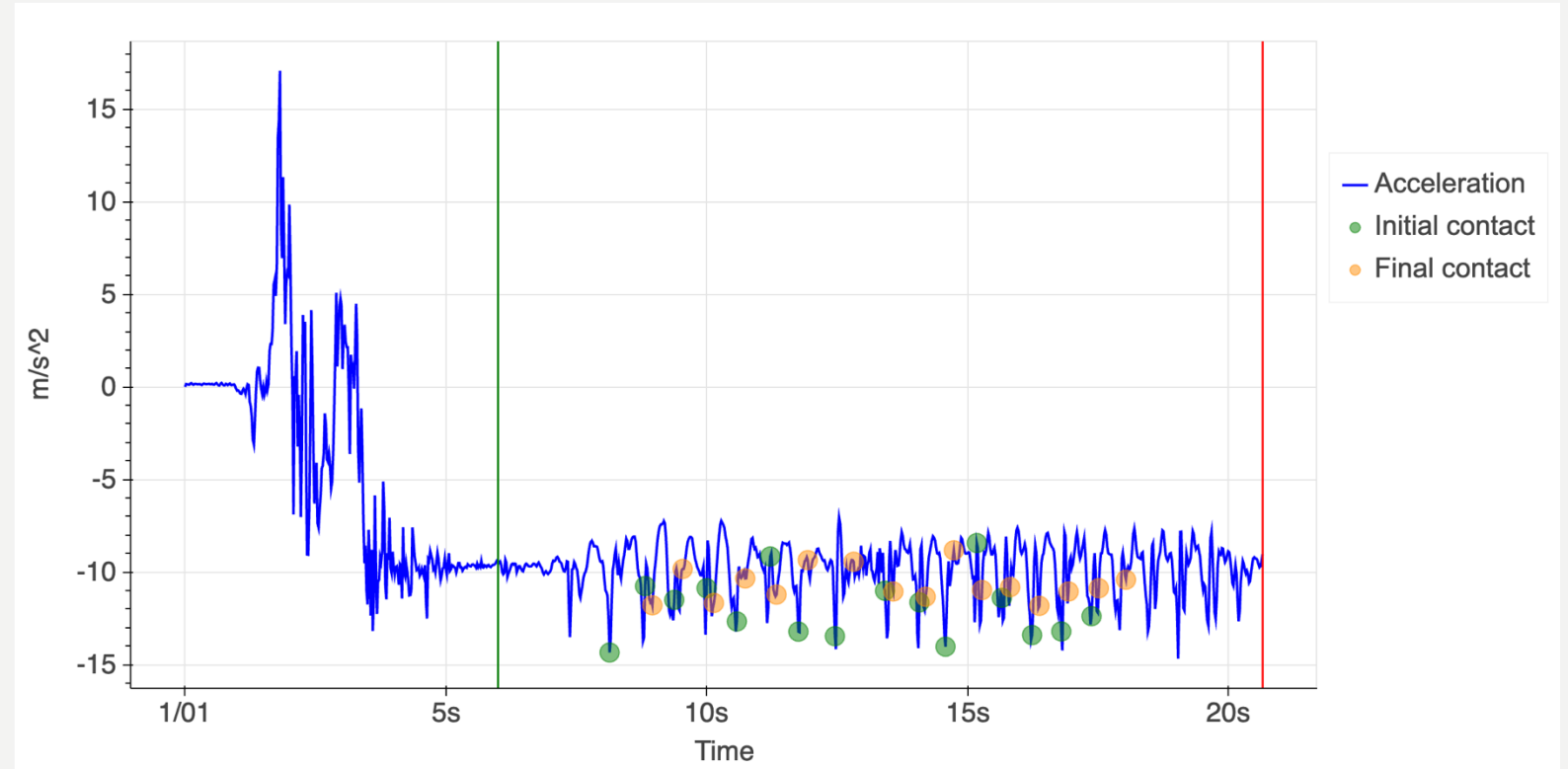


System Complexity Analysis to help Okoa (a NGO providing ambulances in Africa) transfer to a hybrid social enterprise with recommended Model

Language: Python 

GAIT ANALYSIS

SELECTED EXAMPLE



Convert Accelerometer Data into Gait Metrics from Wearable sensors

Language: Python 

EMPLOYEE ATTRITION

Data Analysis Summary
on Employee Attrition

Language: Python 

