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

SELECTED EXAMPLE

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

Automated Data Analysis with AI

Upload the CSV file

Drag and drop file here
Limit 200MB per file • CSV
Browse files

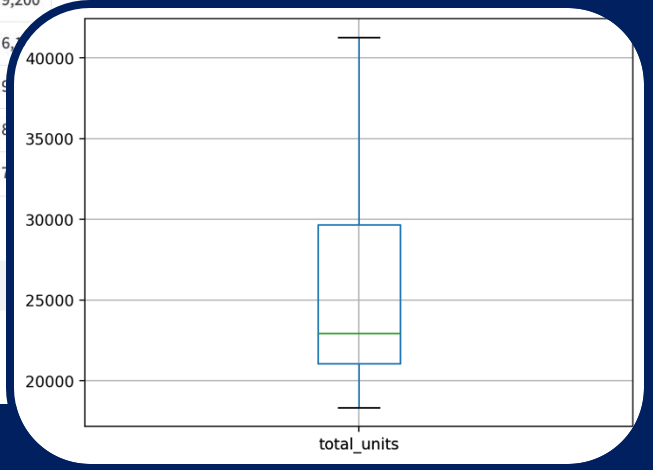
company-sales.csv 0.6KB

		facecream	facewash	toothpaste	bathingsoap	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,...				
2	3	2,140	1,340	4,550	9...				
3	4	3,400	1,130	5,870	8...				
4	5	3,600	1,740	4,560	7...				

Ask your question here

seaborn boxplot on column total_units

Analyze



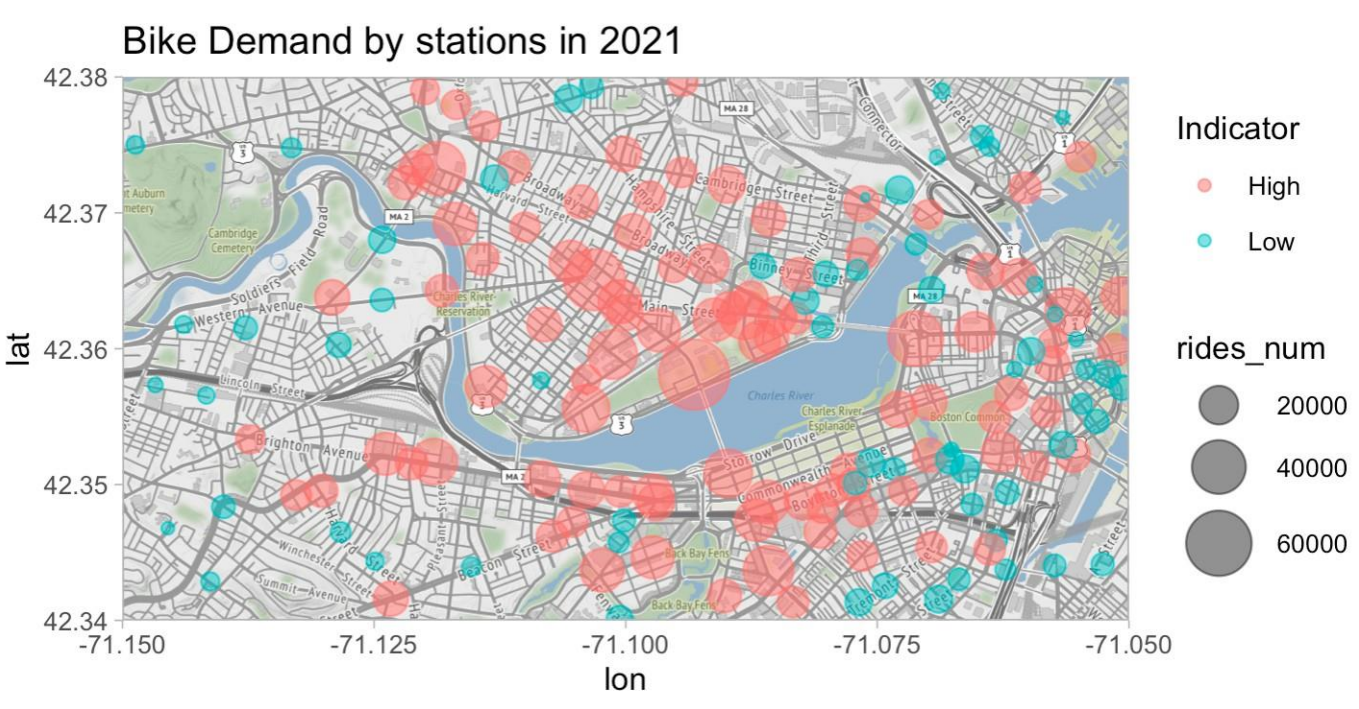
Huggingface + PandasAI Open Source Model

Deploy Locally

python

SELECTED EXAMPLE

PREDICT BLUE BIKE DEMAND

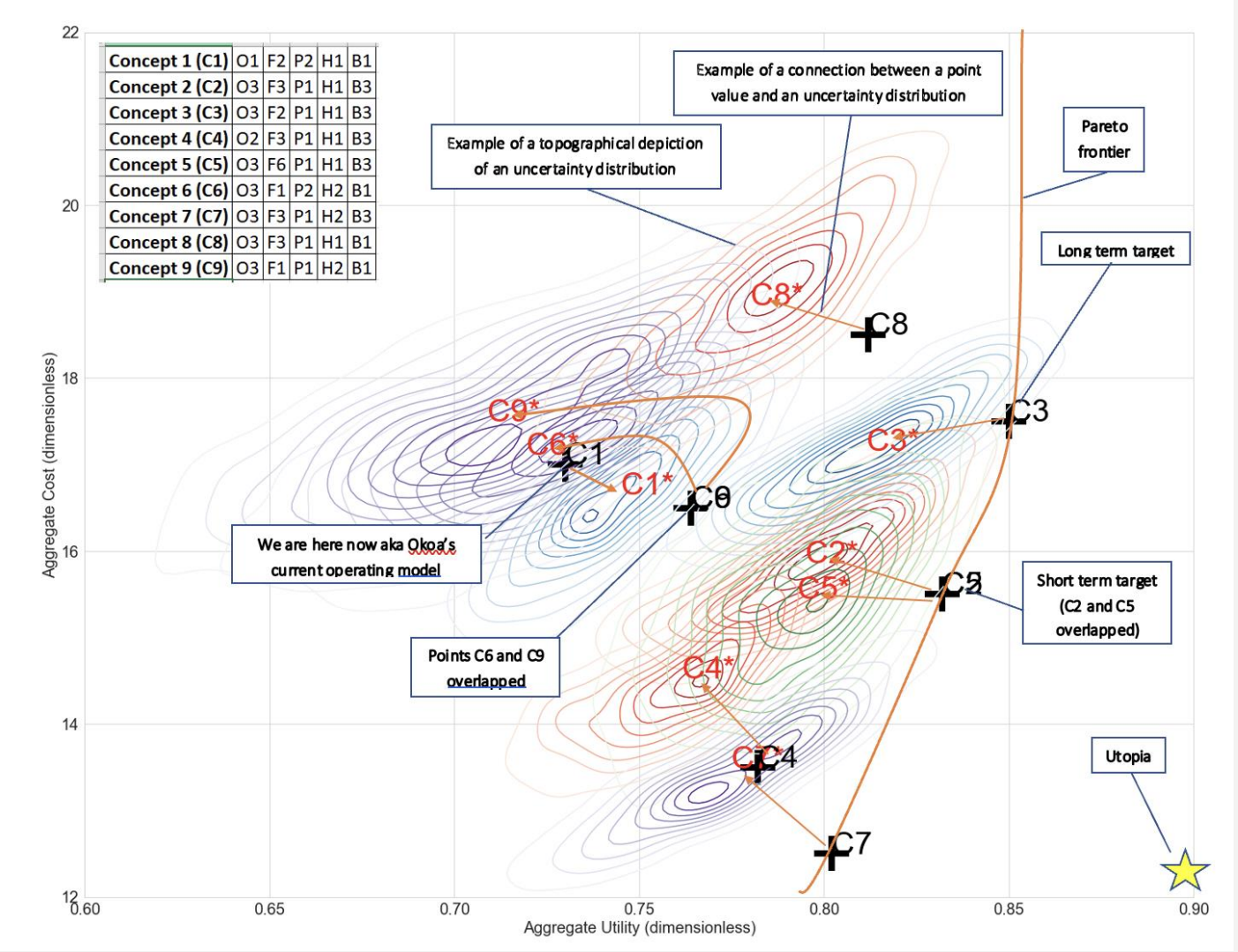


Metrics	*Linear Regression*	*LR-Lasso Regression*	*SVR*	*Random Forest*	*XGBoost Tree*	*Neura Net*
RMSE	210.61	210.63	185.66	120.55	94.90	**93.70**
R Square	0.5042	0.5042	0.6148	0.8379	0.8993	**0.901**

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

Language: R

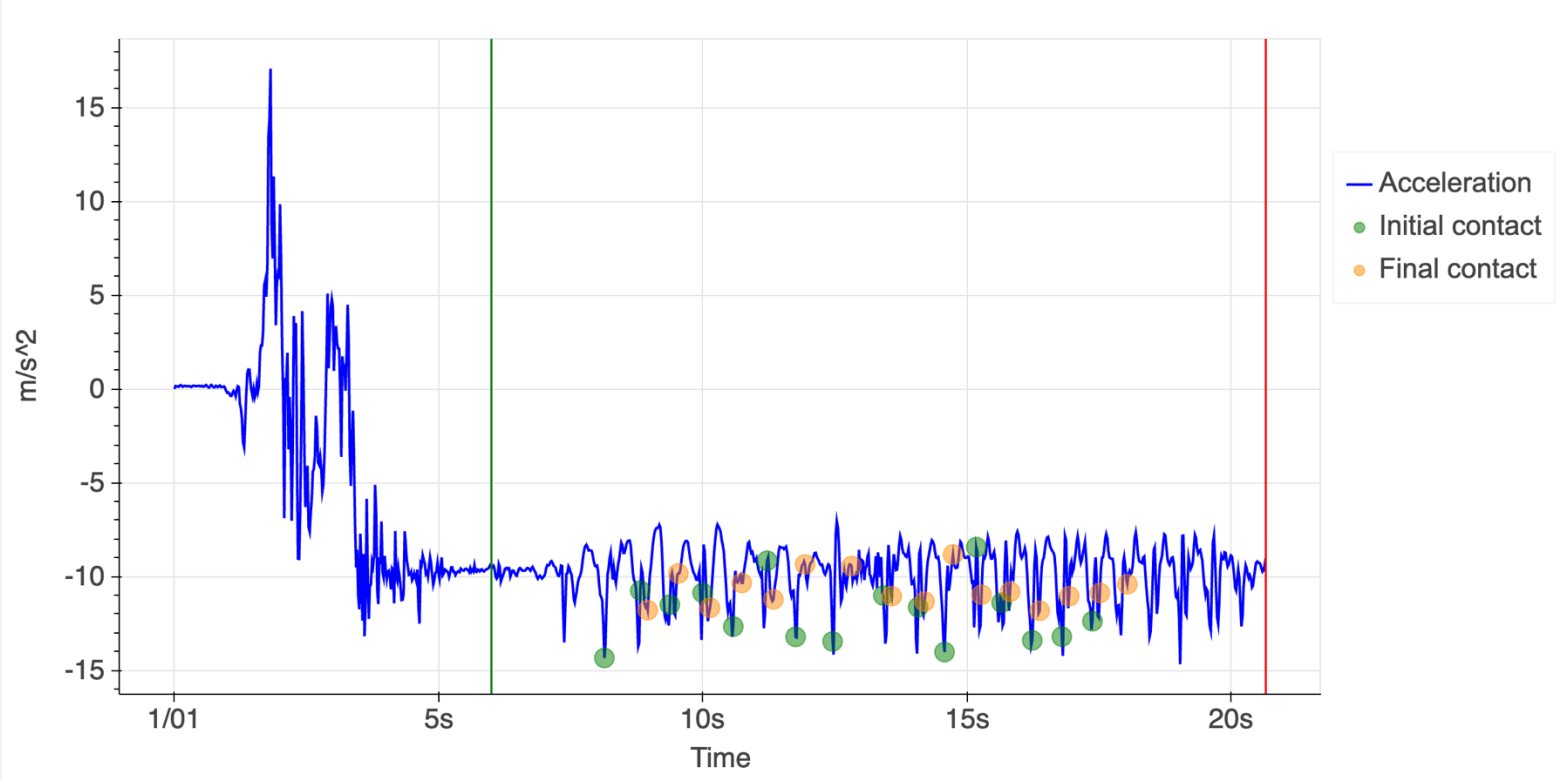
SOCIAL IMPACT ANALYSIS



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