Project Portfolio

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

Automated Data Analysis with AI

Upload the CSV file

☁ Drag and drop file here
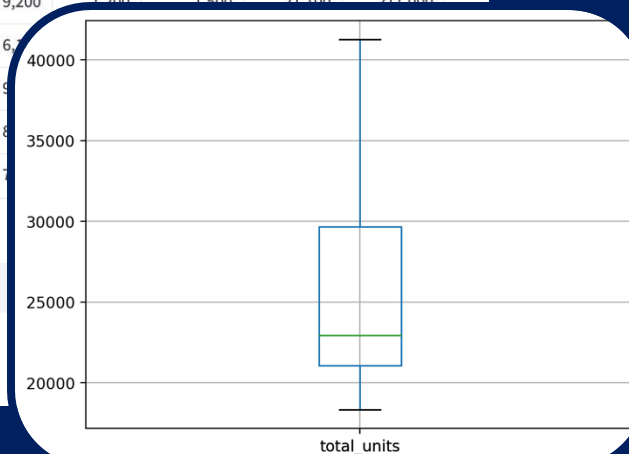Limit 200MB per file • CSV

Browse files

📄 company-sales.csv 0.6KB ✕

er	facecream	facewash	toothpaste	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

total_units

Huggingface + PandasAI Open Source Model 🤗 🐼

Deploy Locally

🐍 python™

PREDICT BLUE BIKE DEMAND

Bike Demand by stations in 2021

Indicator
- High
- Low

rides_num
- 20000
- 40000
- 60000
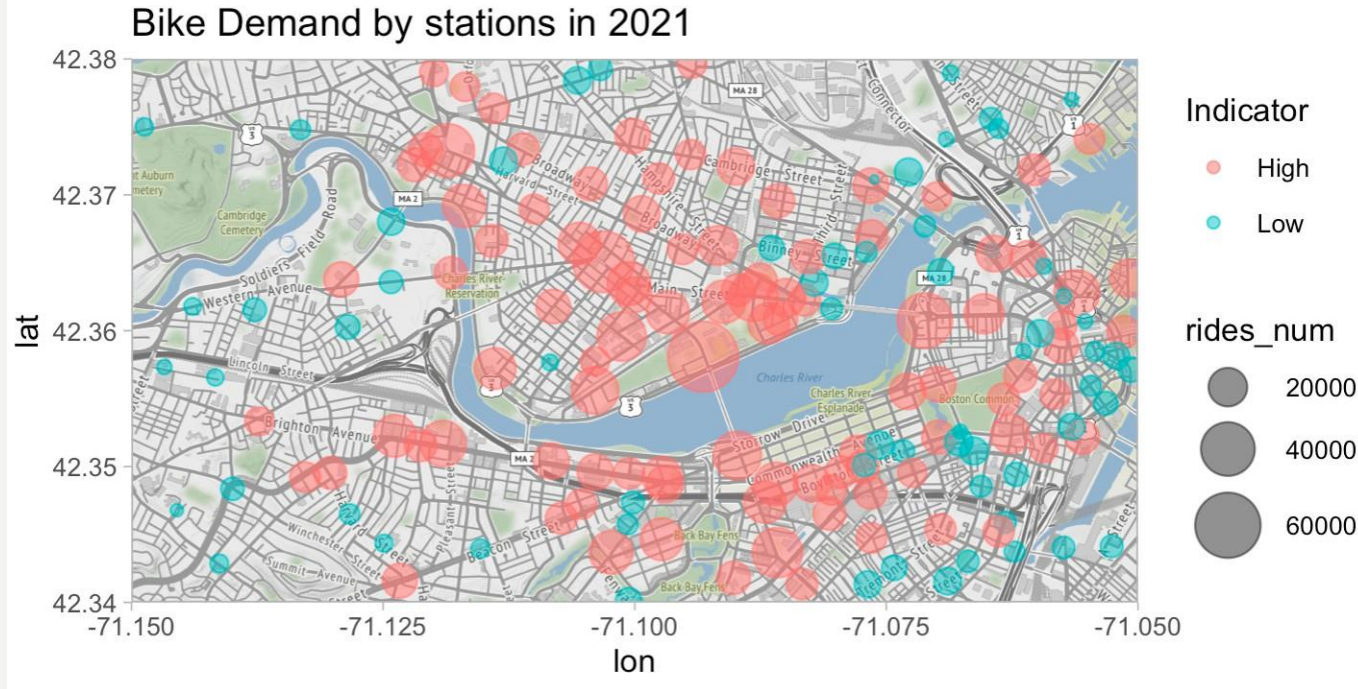
Metrics	Linear Regression	LR-Lasso Regression	SVR	Random Forest	XGBoost Tree	Neural Net
RMSE	210.61	210.63	185.66	120.55	94.90	**93.70**
R Square	0.5042	0.5042	0.6148	0.8379	0.8993	**0.901**

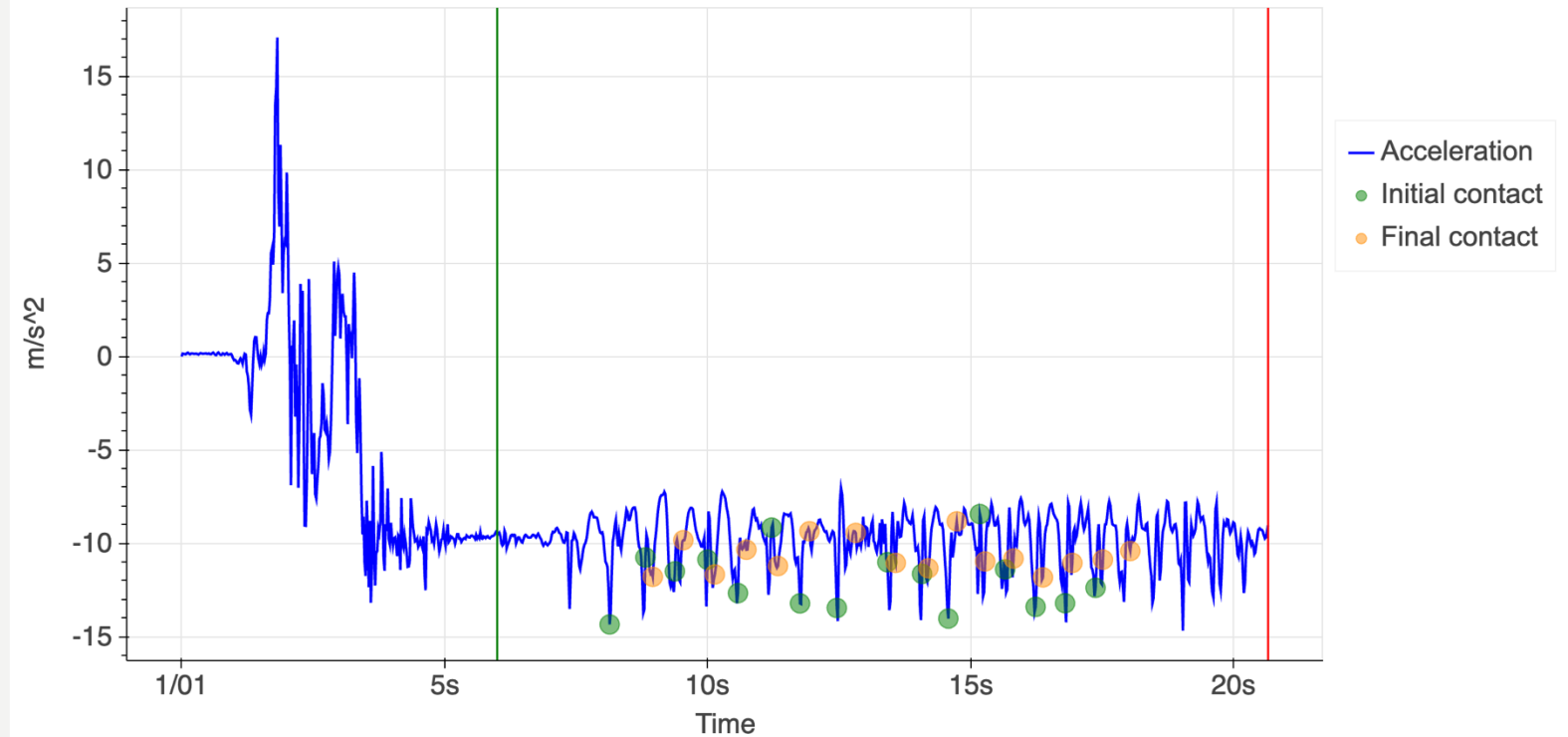Using Machine Learning to Predict Blue bike Demand in Boston, MA

Language: R

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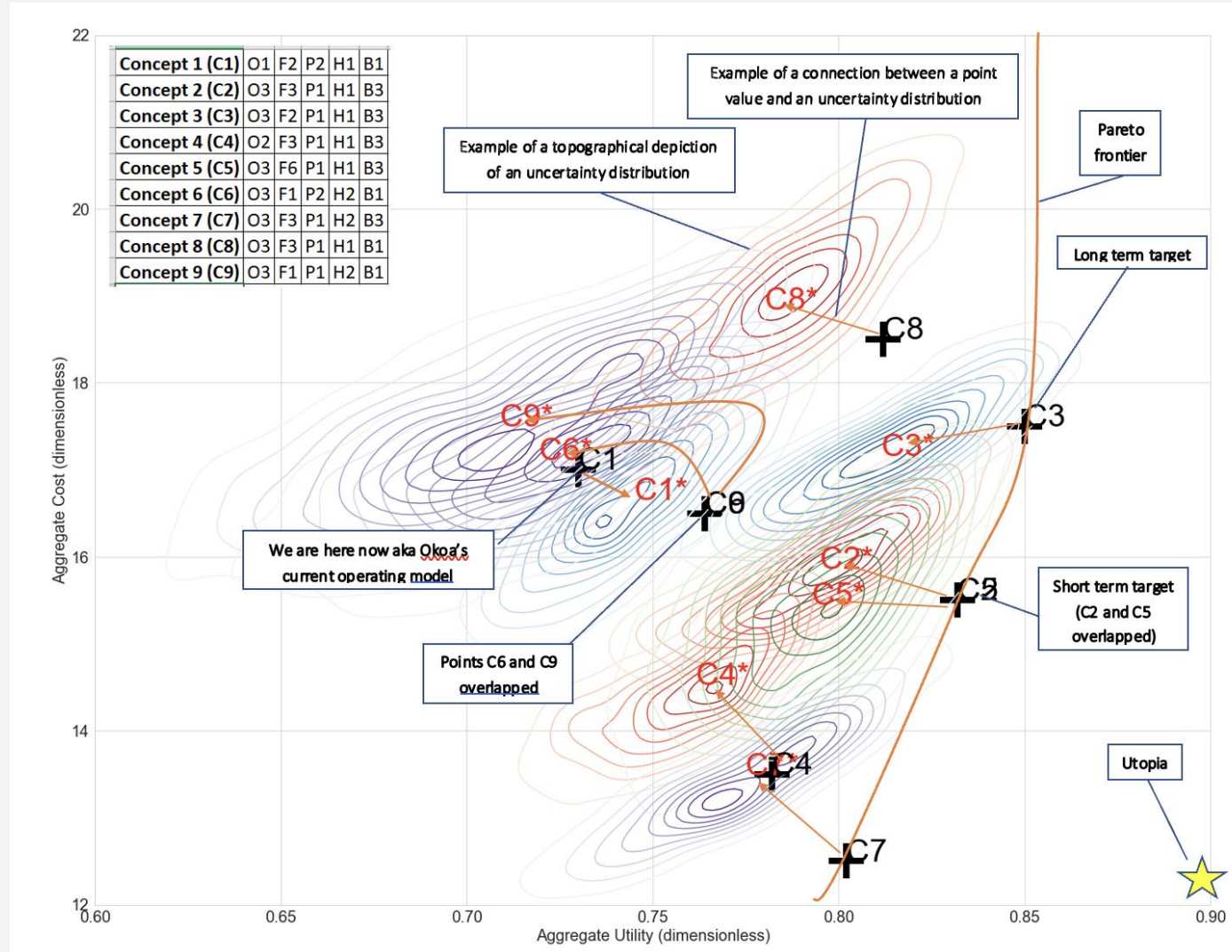
System Complexity Analysis to help Okoa (a NGO providing ambulances in Africa) transfer to a hybrid social enterprise with recommended Model

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