Python For Machine Learning & APIs | DS4B 201-P

Convert a Business Problem to a **Python Machine Learning API & Web App Solution.**

CRM Database

Table 1
Email Subscribers

Table 2
Products

Table 3
Customer Transactions

Table 4
Event Tags

Table 5
Website Analytics

Business Understanding

Functions
cost_calculations.py

pandas

Data Understanding

database.py
exploratory.py

Data Preparation

process_data()

Machine Learning

score_leads()
modeling.py

MLFlow

Model Logging

Return on Investment

Cost Savings
Threshold Optimization
Business Strategy

lead_strategy.py

FastAPI

Deployment API (Backend)

/
/data
/predict
/get_email_subscribers
/calculate_lead_strategy

Deployment App (Front End)

app.py

Streamlit

Business Science

python