

Intelligent Forecasting For Your Business

We help optimize your business performance with accurate forecasting



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Successful forecasting can be the key to a company's growth and profitability

Accurate forecasting is an essential aspect of business planning and management. It helps businesses to make informed decisions, minimize risks, and maximize profits. According to a report by Indeed.com, accurate forecasting helps businesses better predict future revenue, expenses, profit margins, and net income.



CHALLENGES

Forecasting is inherently uncertain, and there is always a risk of error. Data quality, model complexity, human bias, external factors such as natural disasters, economic downturns, or political instability. All these challenges can have a significant impact on the accuracy of forecasts

IDEAL SOLUTION

As experts in leading edge AI and machine learning technologies (including but no limited to) Microsoft R, Python, SQL Server, Azure Synapse Analytics and Azure Databricks, our team will work with your stake holders to understand specific issues and come up with plans to solve them.

DESIRED OUTCOMES

Modern intelligent Apps deployed in the Cloud and run on desktop as well as mobile devices. Chat bots on different deployment channels. Repetitive, labor intensive processes automated. Bottlenecks in business processes solved. Impactful ROI as a result.

```
from sklearn.compose import ColumnTransformer
from sklearn.pipeline import Pipeline
from sklearn.preprocessing import StandardScaler, OneHotEncoder, OrdinalEncoder
from sklearn.linear_model import LogisticRegression
import numpy as np

# Define preprocessing for numeric columns (normalize them so they're on the same scale)
numeric_features = [0,1,2,3,4,5,6,7,8,9]
numeric_transformer = Pipeline(steps=[
    ('scaler', StandardScaler())])

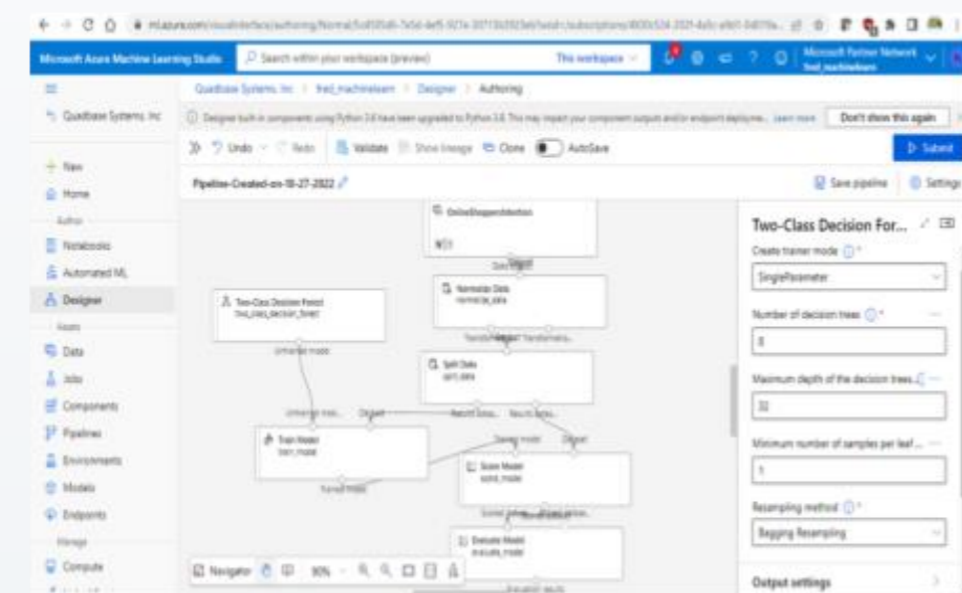
# Define preprocessing for categorical features (encode the Age column)
categorical_features = [10,11]

An error will be raised in case an unknown categorical feature is present during transform.
categorical_transformer = Pipeline(steps=[
    ('ordinal', OrdinalEncoder())])

# Combine preprocessing steps
preprocessor = ColumnTransformer(
    transformers=[
        ('num', numeric_transformer, numeric_features),
        ('cat', categorical_transformer, categorical_features)])

# Create preprocessing and training pipeline
pipeline = Pipeline(steps=[('preprocessor', preprocessor),
                           ('logregressor', LogisticRegression(C=1/reg. solver='liblinear'))])

# fit the pipeline to train a logistic regression model on the training set
model = pipeline.fit(X_train, (y_train))
print (model)
```

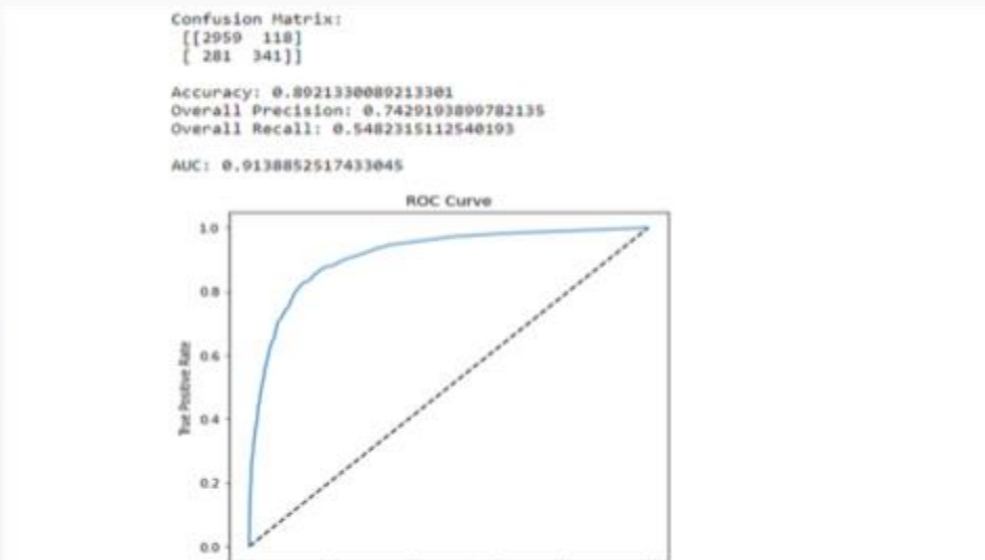


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Our Microsoft-certified, AI/ML professionals provide expertise on developing customized intelligent applications for accurate forecasting and managing deployment to achieve optimized results.



1 Leverage intelligent Apps to provide accurate forecasting
Enjoy our low up-front costs, risk-free proof of concept, and bespoke service to meet your requirements.

2 Increase productivity and profits
Realize significant ROI at a fraction of the cost of hiring teams of developers and data scientists.

3 Benefit from the Microsoft Azure and AI/ML services
The platforms offer rapid development the most comprehensive set of ML algorithms and cognitive services.

Quadbase Systems' Consulting and App Development Service & Microsoft Azure AI Platform

Our team works with your business analysts and stakeholders to evaluate your existing business processes and pain points, understand the data and metrics that are important to your organization. We discuss strategies that can help accurate forecasting and create implementation road maps for production deployment.

Accelerated development life cycle

Feature rich rapid development platform allows easy prototyping, testing and deployment into production.

Comprehensive end-to-end business solutions

We provide best-in-class solutions in BI, custom Apps, chatbot, business process automation and RPA.

Built-in security and auto-scalability

You can start small and scale via role-based access, custom roles, and built-in mechanisms for identity authentication.



Customer success: A breakthrough in a accurate forecasting for business

Quadbase Systems solved the challenging forecasting tasks by using historical and current data based on various factors and assumptions. Results of forecasting are presented in a clear and engaging manner using visual analytic elements such as charts, graphs, maps and dashboards.

Increased market flexibility

Improved forecasting accuracy helped increase sales understanding and provided more flexibility within the market. A better understanding of sales and market presence helped better and more accurate business decisions making

Improved inventory management

Accurate forecasts helped optimize stock management by planning when to buy or produce more products based on forecasted demand and supply.

Improved overall communications

Accurate forecasts help improve internal and external communication by aligning the goals and expectations of different stakeholders, such as managers, employees, investors, and customers

Contact us for a free consultation and assessment

[Get a free consultation](#)

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+1 669 270 0334

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