



MACHINE LEARNING PROOF OF CONCEPT

*Power your business into the future with predictive insights
available through Machine Learning*

High volumes of complex, multi-dimensional data can provide endless insights into your business.

Leveraging that data to generate intelligent, predictive solutions to accelerate your business is possible through machine learning.

Whether for deepening relationships through enabling more personalized targeting of consumers, facilitating improved medical care with enhanced predictions and diagnostics, or creating financial models to enhance fraud detection, our POCs create algorithms and models to help you better understand, predict, strategize and operationalize.

OUR MACHINE LEARNING PROOF OF CONCEPTS FOLLOW THIS PROVEN APPROACH:

1. DATA ANALYSIS

Working with key stakeholders, UDig will determine the quality of your data and any existing opportunities to enrich your dataset, then integrate/structure your data in preparation for the machine learning process.

2. POC DEVELOPMENT

The team will identify a suitable machine learning algorithm and approach that might apply to your data and develop a POC. Through hands-on discovery and data exploration, the team will document any obstacles and additional observations to inform future development.

3. MODEL DEVELOPMENT

Once a suitable machine learning approach has been vetted, your POC will be formalized into a repeatable process. Further cycles with additional data will continue to improve the model, while subsequent models can be quickly created to compare differing results.

4. OPERATIONALIZE

Application of the model will take place through integration with existing processes and systems.

We take the time to understand the nuances of each business challenge and craft a response according to those unique situations.

We're doers, and our outcomes are geared towards specific, achievable actions. We've worked with clients across many industries of varying sizes. Big or small, your organization has special circumstances which must be considered for machine learning to be successful.

Our machine learning Proof of Concepts provide valuable insights into your data, demonstrate whether a model can be developed based on your existing dataset, and determine how your model can be operationalized to fit your needs. In our client partnerships, we commit to providing a tactical, actionable plan to achieve your goals. You can rely on UDig to provide technology-agnostic recommendations, to partner with you to develop solutions and to be up front about the challenges, our capabilities and potential for success.

GENERAL POC REQUIREMENTS

LARGE VOLUME OF EXISTING DATA

DATASET CONTAINS PRIMARILY KNOWN OUTCOMES

DATA IS HIGH QUALITY (RECOMMENDED)

DATAPPOINTS SHOULD BE DISCREET

TIMELINE & COST ESTIMATE

Depending on the scope of your project, machine learning Proof of Concepts can range from 8-14 weeks in duration. All assessments are scoped and priced collaboratively and customized to your situation to ensure you derive the most value.

ADDITIONAL REQUIREMENTS

In addition to the General POC Requirements for machine learning, the following people from your organization should be identified as participants in the process and certain information should be available: **Sponsor:** This person provides guidance and an escalation point, should one be necessary. The sponsor also serves as the ultimate sign-off authority for the consulting engagement.

- **Sponsor:** This person provides guidance and an escalation point, should one be necessary. The sponsor also serves as the ultimate sign-off authority for the consulting engagement.
- **Stakeholders:** These people are your IT and business partners who provide UDig with the relevant and necessary information about your business, data, and systems.
- **Access to data and quality tools:** Access to the data, situational context and any existing profiling tools must be provided in a timely fashion.