

# Data Maintenance & Predictive Insights CHECKLIST

- My organization has identified a business problem we'd like to solve.
- My organization has a basic understanding of how the predictors lead to the outcome to be predicted.
- I know the type of predictions I need:
  - Near real-time
  - Monthly
- My organization has 6 months to 1 year of data to begin our project with.
- The data that we have has strong predictive power for the business problem we are trying to solve.
- I am familiar with the Cross-Industry Standard for Data Mining or CRISP-DM methodology that shows how the business and data understanding work in concert to support each other
- The data all resides in one place so it can be easily trained and scored.
- My data is not aggregated into 1 place, but it has a common set of data elements available within the disparate data sets to join the data on.
- I have Data Engineering resources that can assist Data Scientists in aggregating data together from Big Data systems, SQL databases, APIs, and locally stored files, and cleaning the data so it's ready to be entered into a tabular format
- My organization has established a data-engineering pipeline can continually coerce data from disparate sources into a tabular form from training and scoring.
- My organization has an established cloud environment to which we can migrate our model code and data once it's ready for further deployment and development
- I have Data Analysts resources that can build visualizations and dig deep into the data to find relationships between the predictors and the outcome.
- I have Project Manager resources to keep the project on track and on budget
- I have partnered with Dev IQ to create a functional product out of the model built and Machine Learning Operations (MLOps) support to productize the model and create triggers for retraining the model when the model gets out of date.

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