Machine Learning Project Canvas

Prepared By:

Business Case

Describe the problem from a business perspective. The target audience will likely be non-technical people.

Summary:

a. Industry

What industry or industries does the problem pertain to?

b. Problem Definition

Describe the business problem in simple terms and the impact to the business, organization or industry? Do not go into solutions here, just define what the problem is.

c. Value Proposition

How does this solution bring value to the business, organization or end-user? What are we trying to do for the end-user(s) of the system? What objectives are we serving?

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Technical Specifications

Describe the problem in technical terms. The target audience will likely be developers or consultants.

Summary:

a. ML Problem Description

Define the inputs, outputs and type of machine learning algorithm that can solve this problem.

b. Data Sources

Which data sources are needed for this model to work? If there is any extra data that we do not have, how can we start collecting it?

c. Model Inputs

What features of the data does the model need? Is there any preprocessing required?

d. Model Building

Does the model need to be retrained to stay relevant? If so, how often and how much new data is required each time?

e. Model Evaluation and Metrics

What methods can we use to evaluate model performance before going live? What metrics will we need to measure after going live to measure the success of the model?