

Deployment report

Housing Price Prediction by

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Date: 06/04/2021

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Versioning table

Time	Changes	Comments	Version
Week 6			
Week 10			

Abstract

Machine learning research typically focuses on optimization and testing on a few criteria, but deployment in a public policy setting requires more. For machine learning models to have real-world benefit and impact, effective deployment is difficult. In this report, I describe the implementation of the deployment. My decision of how the project will be delivered to production is further explained and the evaluation is made after that .

Introduction

Most machine learning research and optimization is based on static data, but deployment often requires a wider range of considerations. The goal of building a machine learning model is to solve a problem, and a machine learning model can only do so when it is in production and actively in use by consumers. As such, model deployment is as important as model building. ¹

Modelling

Deployment

A machine learning model is of no use to anyone if it doesn't have any data associated with it. There is training, evaluation, testing, and prediction data sets. However, before starting any work of deploying, there are several important questions to be answered.

Data concerns:

How is your training data stored?

¹ <https://stackoverflow.blog/2020/10/12/how-to-put-machine-learning-models-into-production/>

How large is your data?

How will you retrieve the data for training?

How will you retrieve data for prediction?

Evaluation

Summary