Project Proposal

Machine Learning with Tensorflow

UC Berkley Extension

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The goal for this project is to apply skills and techniques that were introduced in the course in a practical application. It is also to be able to share with others some insight on a problem and possible solutions on how machine learning can be of assistance. I propose a method for evaluating fetal well-being during pregnancy through the use of Cardiotocography (CTG) recording of fetal heart rate (FHR) and uterine contractions (UC). I picked this problem because I work in healthcare and wanted to work with a scenario that was relevant to my field. I will be attempting to use random forests to tackle this scenario as it is a method I’m not familiar with and would like more exposure to.