

Project 2

Tulsa Weather Prediction using a Feed-Forward Neural Network with a Sigmoid Activation Function and Supervised Learning Techniques

Christian Mann, Steven Reed

December 17, 2013

Abstract

In this paper we develop our own Feed-Forward Neural Network based off of previous examples found in the book and on the Internet. The Neural Network features back-propagation for supervised learning. We then use it to approximate various functions. First we approximate the simple XOR function,

then we attempt to approximate the behavior of weather in Tulsa, OK.

1 Introduction

2 Conclusion