Concepts and Technologies of Artificial Intelligence

Assignment 2: Random Search Optimisation and Meta Learning

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# Introduction

Talk about what was done in the first assignment?

Purpose

Requirements

What’s covered?

# Designing a Solution

Talk about the tools chosen such as tensorboard

Grid search

Grid search is the process through which it is attempted every single combination of the different hyper parameters. It works iteratively through all of the different combinations, making this the perfect solution for finding the absolute best hyper parameter combination, however, this technique scales terribly with increased complexity, (add reference? Maybe how bad it scales?)

Random search

Evolutionary search

Reinforcement learning

Bayesian Optimization

Gradient descent