Storyboard

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9/9/2020

Storyboard

Epic 1

We aim to use reinforcement learning to build a model that can assist actors managing a power grid system to maintain the stability of power generation and distribution in the event of an attack or failure of a small portion of the power grid. Through building the model we are expected to write paper and submit to the conference.

Theme 1.1

We need to first learn reinforcement learning and different technques in order to build a efficient model.

Story 1.1.1

We are going to take some video lecture provided by different institutions.

Status

We have been watching 6 lectures.

Story 1.1.2

We are going to meet with our clients to discuss about what we learned. Clients will teach us on topics in more detail that we are confused about.

Theme 1.2

We need to get familiarity with simulators like city-learn.

Story 1.2.1

We will first do some eda to understand how city-learn works.

Theme 1.3

We will start implementing algorithms into city-learn or different simulators and evaluate the performance for each algorithms.

Story 1.3.1

We will read different most updated papers on reinforcement learning and apply those model into our environment.

Theme 1.4

We will start writing our results into a paper for submission in conference

Story 1.4.1

Start reading relevant research papers to write introduction

Story 1.4.2

Start visualzing our results for paper