

Weekly Progress Report - 10

Section 1: Implementation/development progress

This week I had worked alongside Siqi to better definite the scope of our project. I had briefly skimmed through 7 research papers following the previously defined scope by Siqi when looking through related work by the same author. Out of the 7 papers selected by Siqi, I had to select 4 suitable candidates for replication based on our filtering requirements:

- Tools, deep learning methods, training, and testing data are open-source
- deep learning method implemented in Python
- Source code semantics represented using AST

A table similar to the one presented in '*A Comparative Study to Benchmark Cross-Project Defect Prediction Approaches*' (table 4) was created to present the results.

Section 2: Issues and Challenges

During our client meeting today when presenting our scope, Yong Zhen has expressed his concerns with bias in the data set since the scope consist of a research paper by the same author using similar data sets throughout. The issue was that we narrow our scope down a bit too much, therefore creating bias in training data and becoming inflexible

Section 3: Implementation Goals

My goal is to set up a professional and informative homepage and wiki section for our Git repository a task that has been delayed since last week. I will also be focusing on extending my scope base on Yong Zhen's feedback during our client meeting. To expand our scope I will discuss with my group members regarding data collection and explore papers by a different author.