Method-level Fault Localization

Statement-level Fault Localization

Multi-tasking Fault Localization

Feature Representation Learning

Data Preprocess

PDG+CC+EP

ST+CC+EP

Test Cases

Java Project



Primary Goal

Node Features

Faulty Statement

GCN

Node Features

Faulty Methods

GCN

Soft Parameter Sharing

GRU

TreeCaps

GRU

GRU

TreeCaps

TreeCaps

Method Content

AST

Similar Method

Code Coverage

Sub-AST

Variables