

v 42 💶 .../main/java/org/apache/skywalking/oap/server/core/analysis/metrics/HavingDefaultValue.java 📮

Hide conversation

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+ package org.apache.skywalking.oap.server.core.analysis.metrics;

+ default boolean haveDefault() {

package org.apache.skywalking.oap.server.core.analysis.metrics; ...

public interface HavingDefaultValue { ... default boolean haveDefault() { return false; ...

It seems all implements return true. What's the scenario this has to return false?

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This conversation was marked as resolved by **hanahmil**y

hanahmily on Nov 3, 2021 Contributor

wu-sheng on Nov 3, 2021 (Author)

wu-sheng on Nov 3, 2021 (Author)

Code Changes:

Review Comments:

AUGER: 基于预训练模型的代码审查意见自动生成方法

Lingwei Li, Li Yang*, Huaxi Jiang, Jun Yan, Tiejian Luo, Zihan Hua, Geng Liang, Chun Zuo

The 30th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), 2022 杨立 yangli2017@iscas.ac.cn 010-62661198

a.

Background

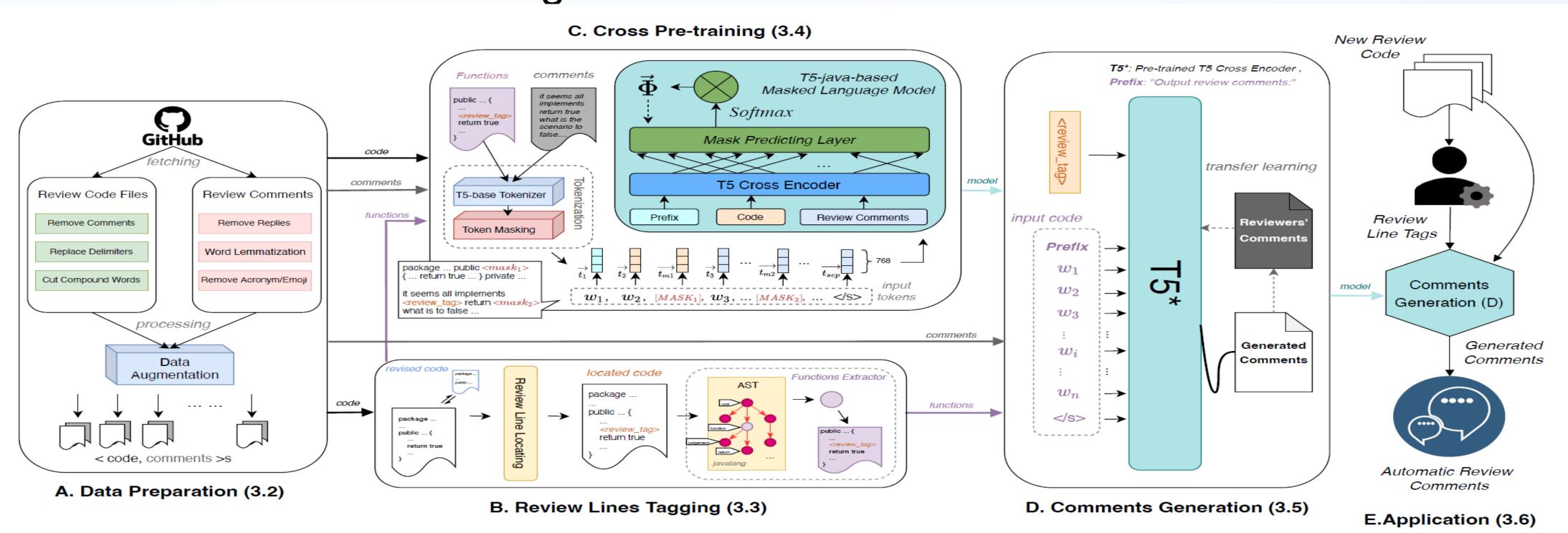
- Senior or highly skilled reviewers inspect source code and provide review comments in software development.
- It summarizes the knowledge of code and leads to quality improvement.

Motivation

- The usefulness remains uncertain.
- Time-consuming and heavy human effort.

Approach: AUGER

- Data: 79344 review activities from 19516 Java PRs in Github.
- Review Line Tags: highlight review lines with a special token.
- Cross Pre-training: conduct a representation between code and comments.
- Comments Generation: generate review comments for code blocks.



Evaluation

• RQ1: Performance

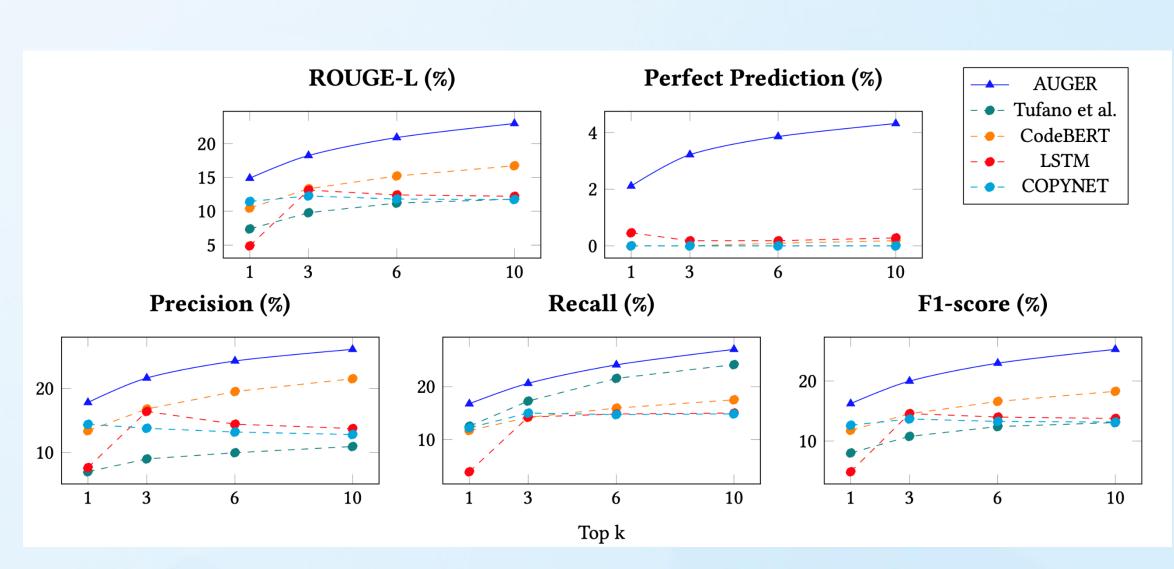
 AUGER outperforms all baselines on five metrics when generating review comments.

RQ2: Train Further

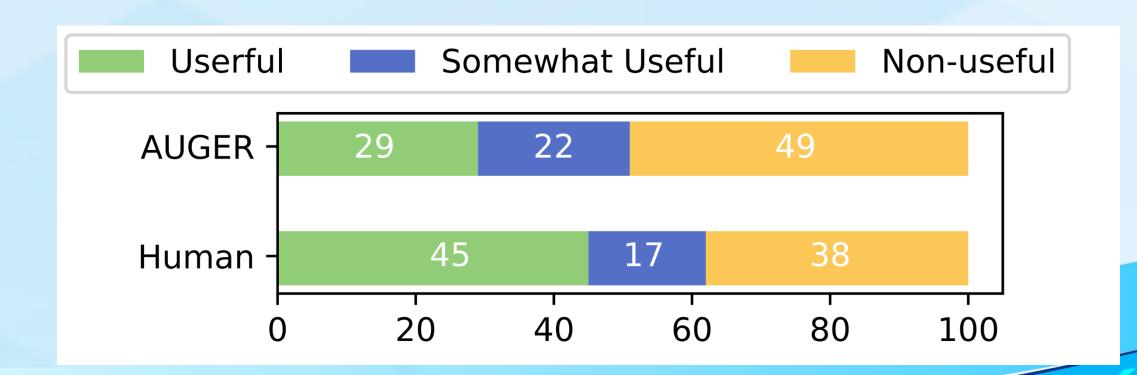
 In the framework, every component counts for the overall achievement and supports AUGER to train further.

RQ3: Usefulness

 AUGER can generate review comments as useful as manual ones.



Methods	ROUGE-L	Perfect Prediction
T5 base	22.01%	3.95%
T5 java	22.41%	4.14%
AUGER - <review_tag></review_tag>	21.47%	3.31%
AUGER -pretraining	22.91%	3.95%
AUGER*	23.93%	4.04%
AUGER	22.97%	4.32%



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