

# RepoSense

A contribution analysis tool for Git repositories in the form of a interactive online report

Bigger ramp slices → more LOCs written  
 Frequent ramp slices → code is committed regularly  
 Red contribution bar → the total LOCs contributed

Contribution shown in ramp charts

Filter and sort authors/repositories in the toolbar

Code review panel to view code changes

search: reposense\_master    group by: None    sort by: Repo/Branch Name    granularity: Day

since: 09 / 03 / 2018    until: 25 / 03 / 2019     reverse     breakdown by file format

reposense\_RepoSense\_master Expand all

Eugene (eugenepeh) contribution from 2017-10-09 to 2019-03-25

Filter by glob

All: 2752 (437)     gradle: 8 (2)     jade: 63 (9)     java: 1508 (256)  
 js: 444 (69)     md: 129 (34)     scss: 570 (60)     yaml: 30 (7)

sort by: LoC     reverse

src/main/java/reposense/model/Author.java (98 lines)

```

/**
 * Represents a Git Author.
 */
public class Author {

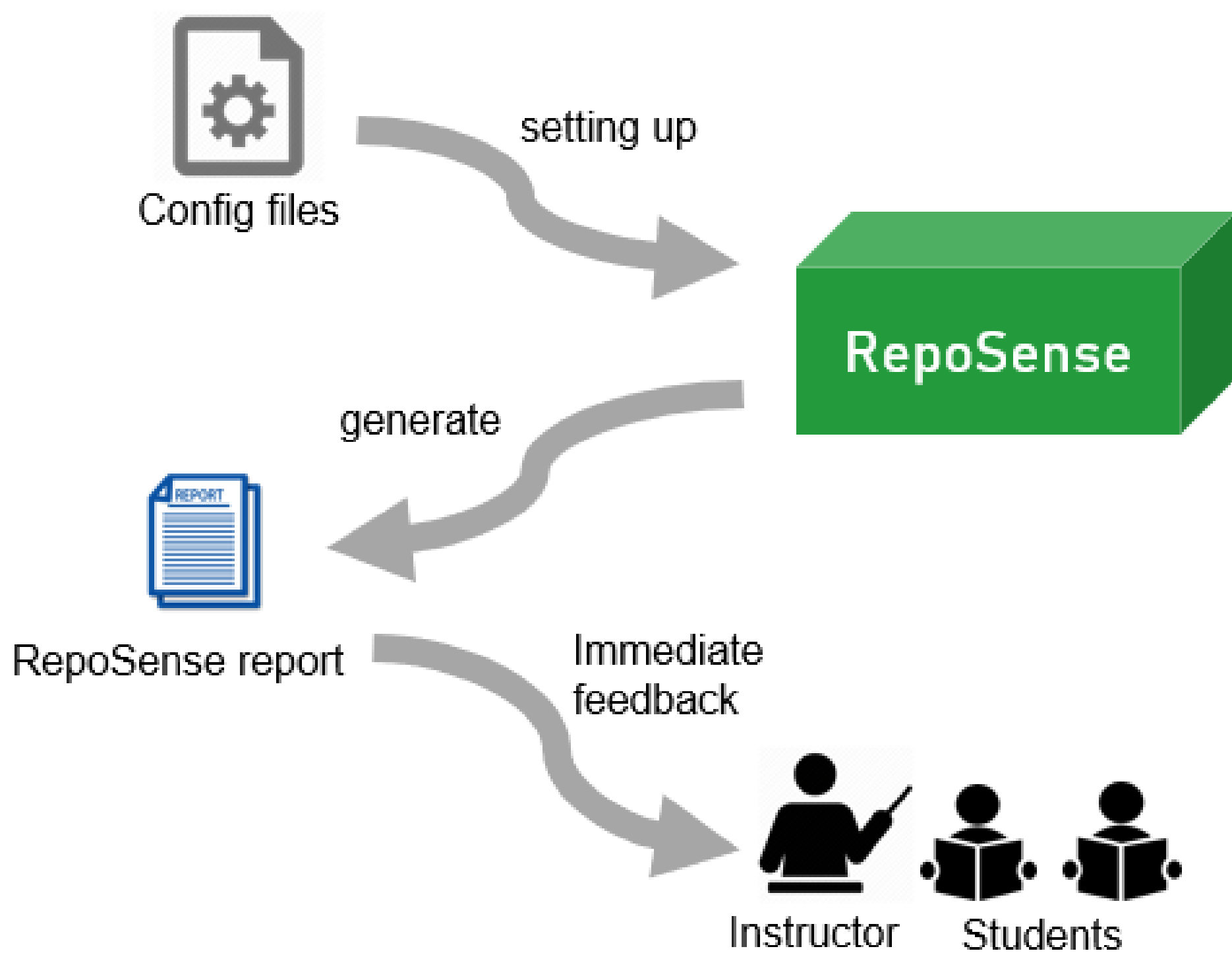
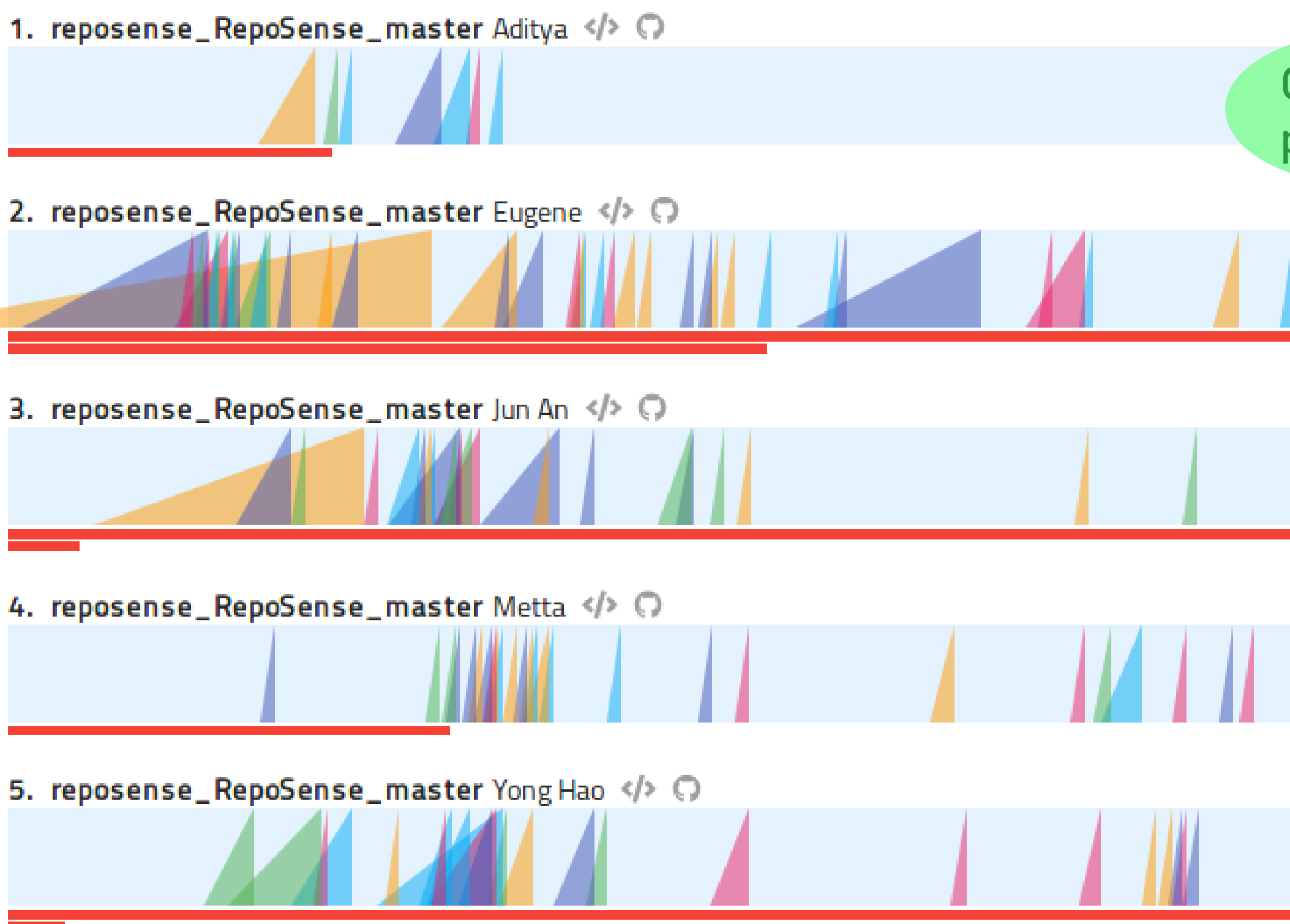
    private static final String UNKNOWN_AUTHOR_GIT_ID = "-";
    private static final String STANDARD_GITHUB_EMAIL_DOMAIN = "@users.n
    private static final String MESSAGE_UNCOMMON_EMAIL_PATTERN = "The pr
    private static final String MESSAGE_UNCOMMON_GLOB_PATTERN = "The pro
    private static final String COMMON_EMAIL_REGEX =
        "^[a-zA-Z0-9_\\-\\.\\+]+@[a-zA-Z0-9_\\-\\.]+\\.([a-zA-Z]
    private static final String COMMON_GLOB_REGEX = "^[-a-zA-Z0-9_\\/\\\\

    public static final Author UNKNOWN_AUTHOR = new Author(UNKNOWN_AUTHO

    private final String gitId;

    private transient List<String> emails;
    private transient String displayName;
    private transient List<String> authorAliases;
    
```

Git diff patches



Used by multiple NUS modules

- ✓ 100+ Git repositories
- ✓ 500+ students

Interested to contribute to RepoSense?

Check out <https://reposense.org> for more info!

