



Lightning Talk

Team sdmay20-43

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Problem

- Integrate boa with GitLab .
- Analyze data mined from GitLab using boa.
- Generate reports using R.



boa

Mining Ultra-Large-Scale Software Repositories



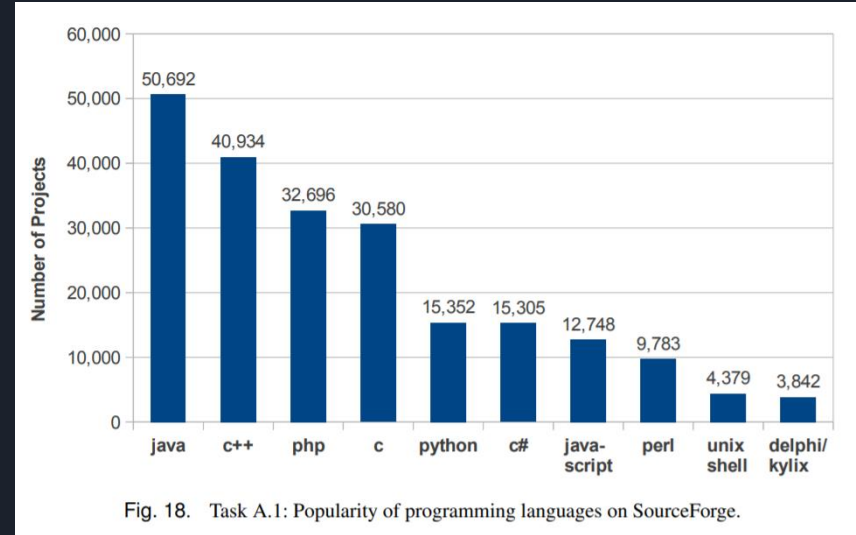
Purpose

- Client: Professor Simanta Mitra
- Give insight into the analytics of his student's projects in ComS/SE309.
- Expand possible uses of boa for different organizations to mine data and analyze projects



Overview (what we do)

- Understand how data is stored in GitLab v.s. GitHub
- Find a way to pull data from GitLab (boa)
- Fetch the data and display in easy to understand format (R)





Get/About Data

- General approach has been broken down into two pieces
 - Data Parsing from Gitlab:
 - Work with the Client's code repository
 - Research how to obtain metrics from it
 - Using Boa to analyze mined data:
 - Combine R and Boa to evaluate code quality
 - Help on 309 pedagogy



Finished Product

- A Gitlab integration of BOA
- Queries for analyzing code Quality
- R will handle the query results
- This can be used for educational purposes
- Commercial Applications?