



DevSearch

Code Search Made Better



DevSearch EPFL

Code search made better

> Paste your code here



Our Project

DevSearch will be a tool to help developers find relevant code based on short snippets thus providing context and examples to API and language usage. The query space will be language agnostic to leverage the full extent of open source software repositories.

Links

[Wiki Page](#)

Connect

devsearch@googlegroups.com

DevSearch - Vision

Search through millions
of open source
repositories

Find code using both
syntax and semantics



From code to features

Variable/function/method declarations

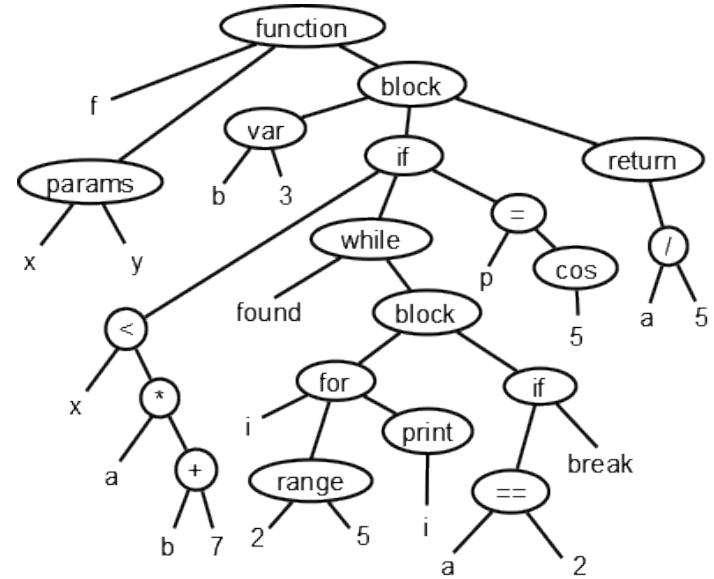
Class hierarchy

Control statements

Import statements

Semantic features

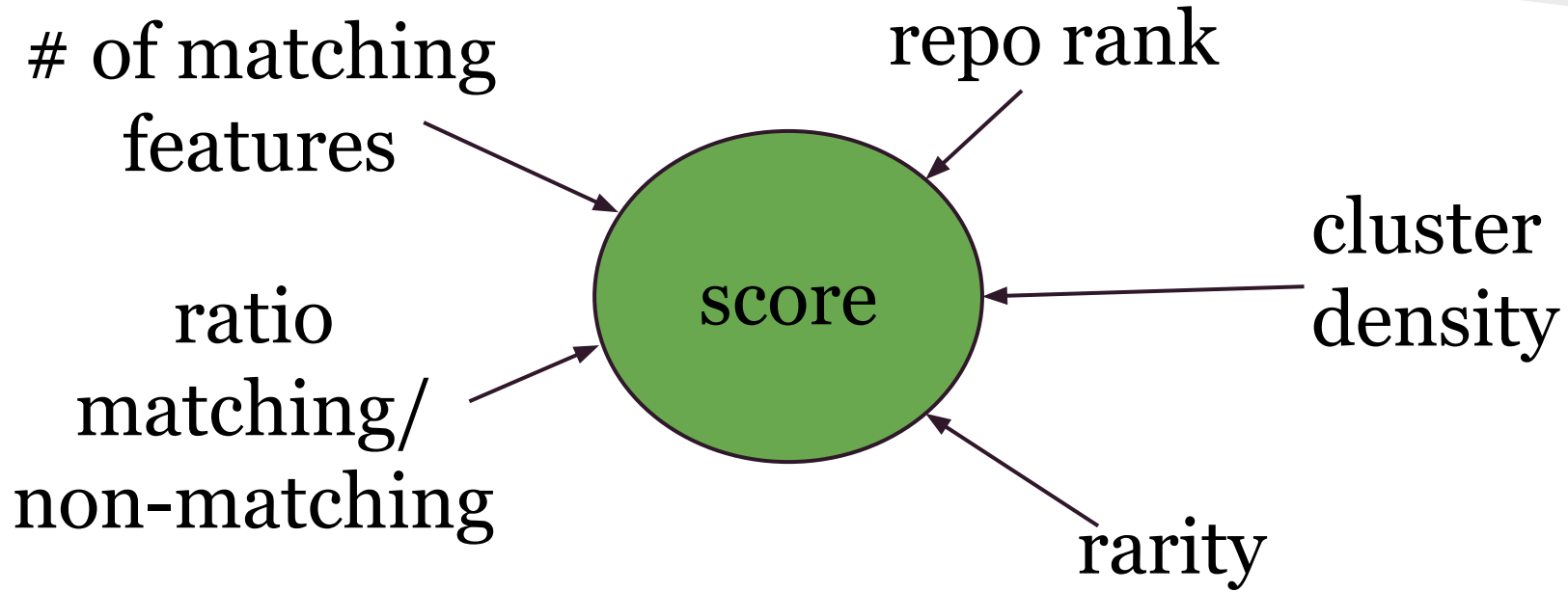
... and potentially many more



→ language agnostic! 😊

DEMO

Score Function



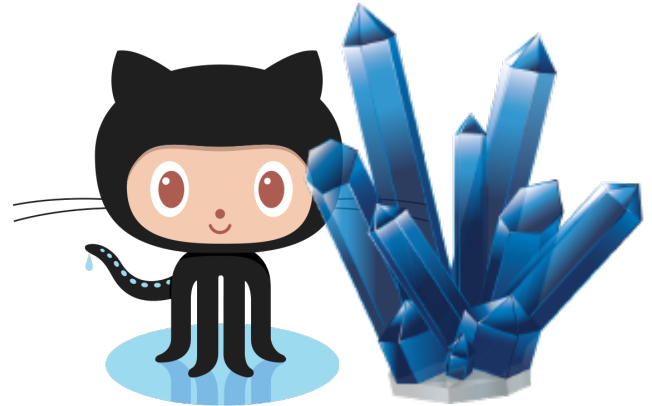
Our Data Set

Repositories: 200'000 (535 GB)

Source files: 70'000'000

Features: 440'000'000

Users: 115'000



Technologies



Google BigQuery



Windows Azure



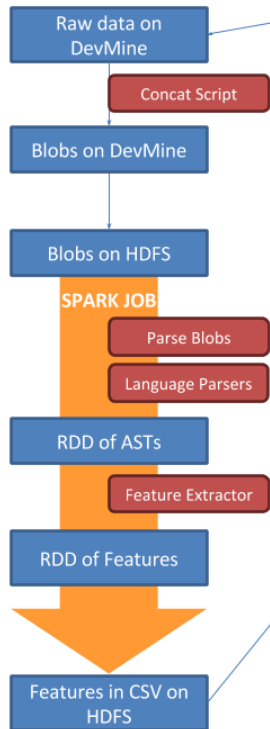
mongoDB



akka

Offline Part

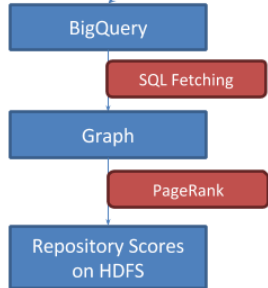
Feature Mining



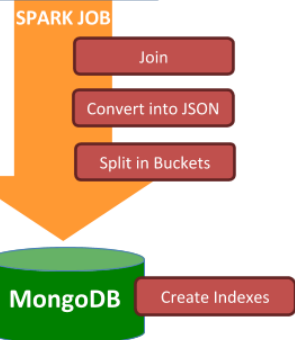
Repos on DevMine

GitHub Archive

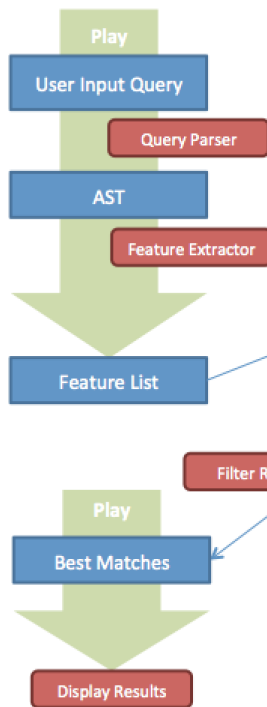
RepoRank



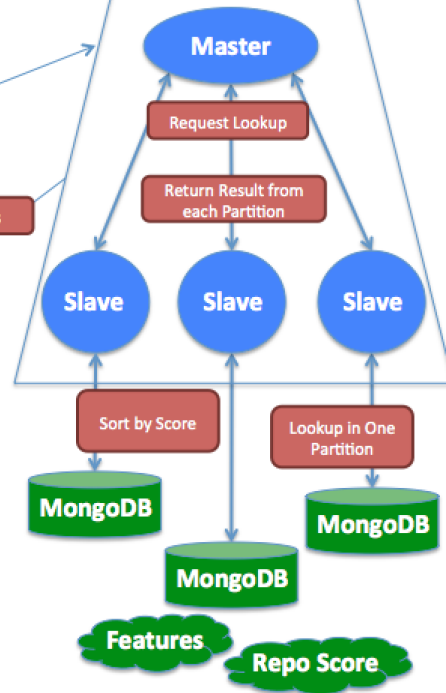
Features + Ranking

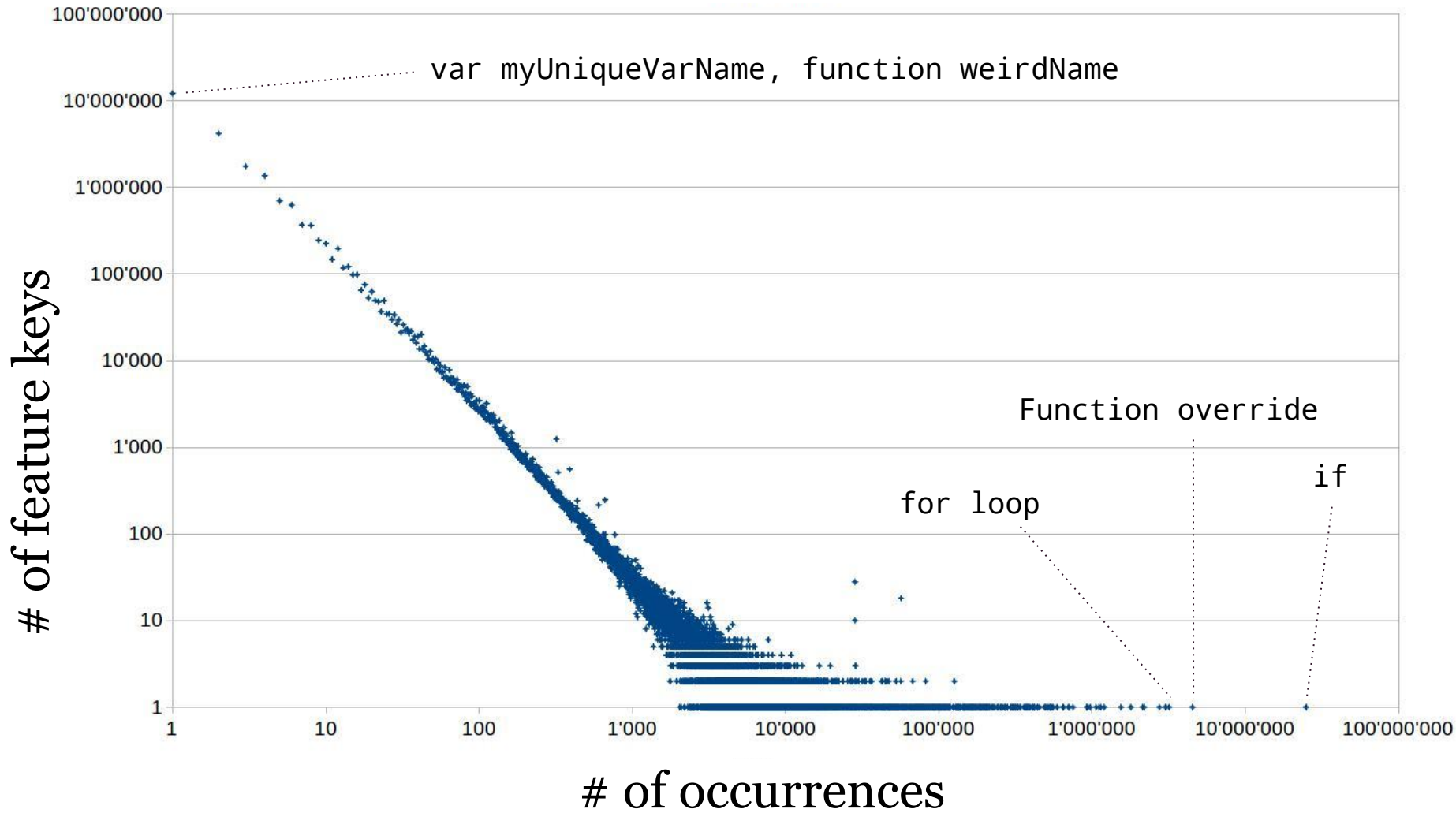


Online Part



Akka





DEMO

Thank you

