

Rubocop

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Lightning Talks!

Notices.

My words are not necessarily my employers'. Duh.

Tweet with [#rubocop](#) and it'll display up here.

Introduction

Rubocop is a Ruby static code analyzer, based on the community Ruby style guide.

Rubocop finds style errors.

It can even automatically correct simple ones.

Run it.

```
gem install rubocop  
rubocop
```

Read it.

Inspecting 2924 files
WCCC.C.C.W

Offences:

Library/brew.rb:4:17: C: StringLiterals: Prefer single-quoted strings when you don't need string interpolation or special symbols.
std_trap = trap("INT") { exit! 130 } # no backtrace thanks
 ^^^^

Library/brew.rb:15:1: C: SpecialGlobalVars: Prefer \$LOAD_PATH over \$:.
\$.unshift(HOMEBREW_LIBRARY_PATH + '/vendor')
^^

Checks = “cops”

You can write them yourself!

Output formats

Regular output is good enough for regular, daily use.

JSON for analytics

Dashboards.

Offenses List

rubocop -f offenses

15664 StringLiterals

3805 LineLength

3039 Documentation

2363 AlignParameters

taken from Homebrew rev cfc7042

Many more

`-f, --format FORMATTER` Choose an output formatter. This option can be specified multiple times to enable multiple formatters at the same time.

`[p]rogress (default)`

`[s]imple`

`[c]lang`

`[e]macs`

`[j]son`

`[f]iles`

`[o]ffences`

Automatically generated configuration

- ✓ Analyzes and builds config from least number of violations to greatest
- ✓ Disables everything it finds
- ✓ Uses sane defaults for others

TODO workflow

- ✓ Re-enable one cop
- ✓ Fix
- ✓ Commit
- ✓ Repeat

Guard

```
group :development do  
  gem 'guard-rubocop'  
end
```

```
guard init rubocop
```

Rake

```
require 'rubocop/rake_task'
```

```
Rubocop::RakeTask.new
```

New sheriff in town

- ✓ Cleanup is hard
- ✓ Focus on one area

Cui bono?

- ✓ Give new contributors a TODO list guide
- ✓ TODO list is in logical order of least work to most work.

Small wins to big, low-hanging fruit to orchards.

**What's the
benefit of
this effort?**

At the bark level,

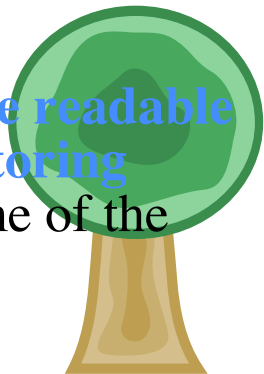
Little style violations are removed.

This isn't much more than bragging rights, but it's something to feel good about.



At the tree level,

Code may become **more readable**
because of trivial **refactoring**
necessary to satisfy some of the
easier validations.



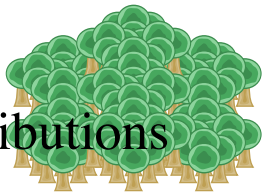
At the grove level,

Code may **execute more efficiently** because of **refactoring** necessary to satisfy some of the harder validations.



At the forest level,

- ✓ higher quality code
- ✓ guide for better contributions



**gem
install
rubocop**

rubocop

Thanks.

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cad.cx

github.com/colindean/talks