

CODE SMELLS RESOURCES

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SO MANY OF THEM

- To many too remember
- I need help
- Lists
- Tools
- Katas
- AI

Switch statements

Long parameter list

Long class

Refused Bequest

Data Clumps

Temporary field

Lazy class



LISTS

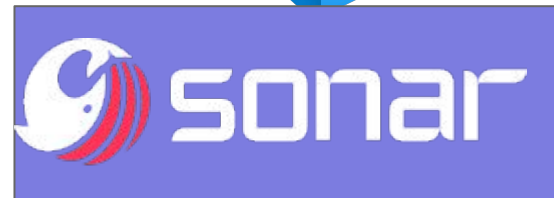
- <https://luzkan.github.io/smells/>
examples, refactor steps, sources
- <https://refactoring.guru/>
refactor steps
- Many more
- Still hard to remember
- Bad workflow



REFACTORING
• GURU •

TOOLS - SMALL THINGS

- JetBrains IDE's - for many languages
 - SonarQube
 - Plugins for most IDEs/editors
 - Free and paid offerings
 - CI/CD
 - NDepend
 - Can catch more complex smells
 - Snyk
-
- Not much more advanced than linters



TOOLS - COMPLEXITY, COUPLING, COHESION

- Can indicate that there is a problem
- But not what

- Visual Studio - built in
- JetBrains - many plugins
- VSCode - CodeMetrics
- Dependency/Type Graphs



KATAS

- Good way to learn
- Too many to link
- <https://codingdojo.org/kata/>
- Gamified <https://www.codewars.com/>
- Search on GitHub



AI

- GitHub Copilot
 - In IDE
 - Copilot labs
 - Limited abstract understanding
- ChatGPT
 - Needs good prompts
 - Can find abstract problems



QUESTIONS?

THANK YOU FOR YOUR TIME

Contact information

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