



SIMPLE  
energy

# Verruca vulgaris treatments **for Scala**

# Old WartRemover

- Trait intended for package objects to inherit
- Used ambiguous implicits
- Used macros to disable warts within blocks

# New WartRemover

- Scala code linter
  - Traverses the Scala AST for bad patterns
  - Supports custom traversers
    - scalac plugin, macros and binaries
- <https://github.com/puffnfresh/wartremover>

# We hate println

```
println("Hello world")
```

# The Scala AST

```
Expr(  
  Apply(  
    Select(  
      Ident("scala.Predef"),  
      newTermName("println")),  
    List(  
      Literal(  
        Constant("Hello world")))))
```

It's demo time

# Built-in warts

- any2stringadd
- Value discarding
- Any inference
- Nothing inference
- isInstanceOf
- asInstanceOf
- null
- LeftProjection#get
- RightProjection#get
- return keyword
- Option#get
- var



# Wish list

- Less false positives
- Less false negatives
- More built-in warts!
- Allow warts as warnings
- Mosaic warts (i.e. fused traversals)