



# Predicting Issue-Fixing Time using Issue History

Presenter: Alessandro Murgia



Predicting Bug-Fixing Time using Bug Change History

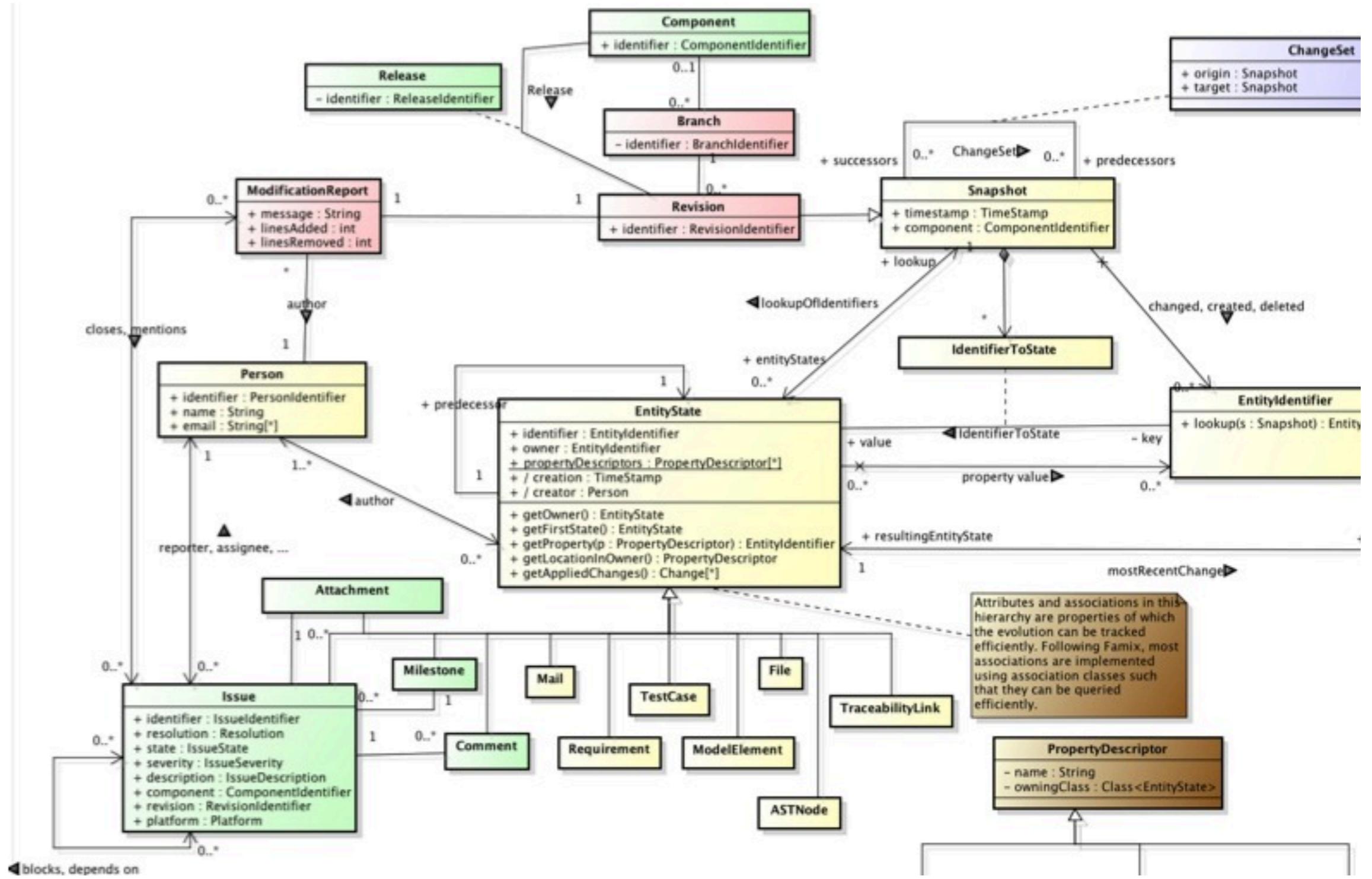
Alessandro Murgia, Javier Pérez, Serge Demeyer

Coen De Roover, Christophe Scholliers, Angela Lozano, Viviane Jonckers

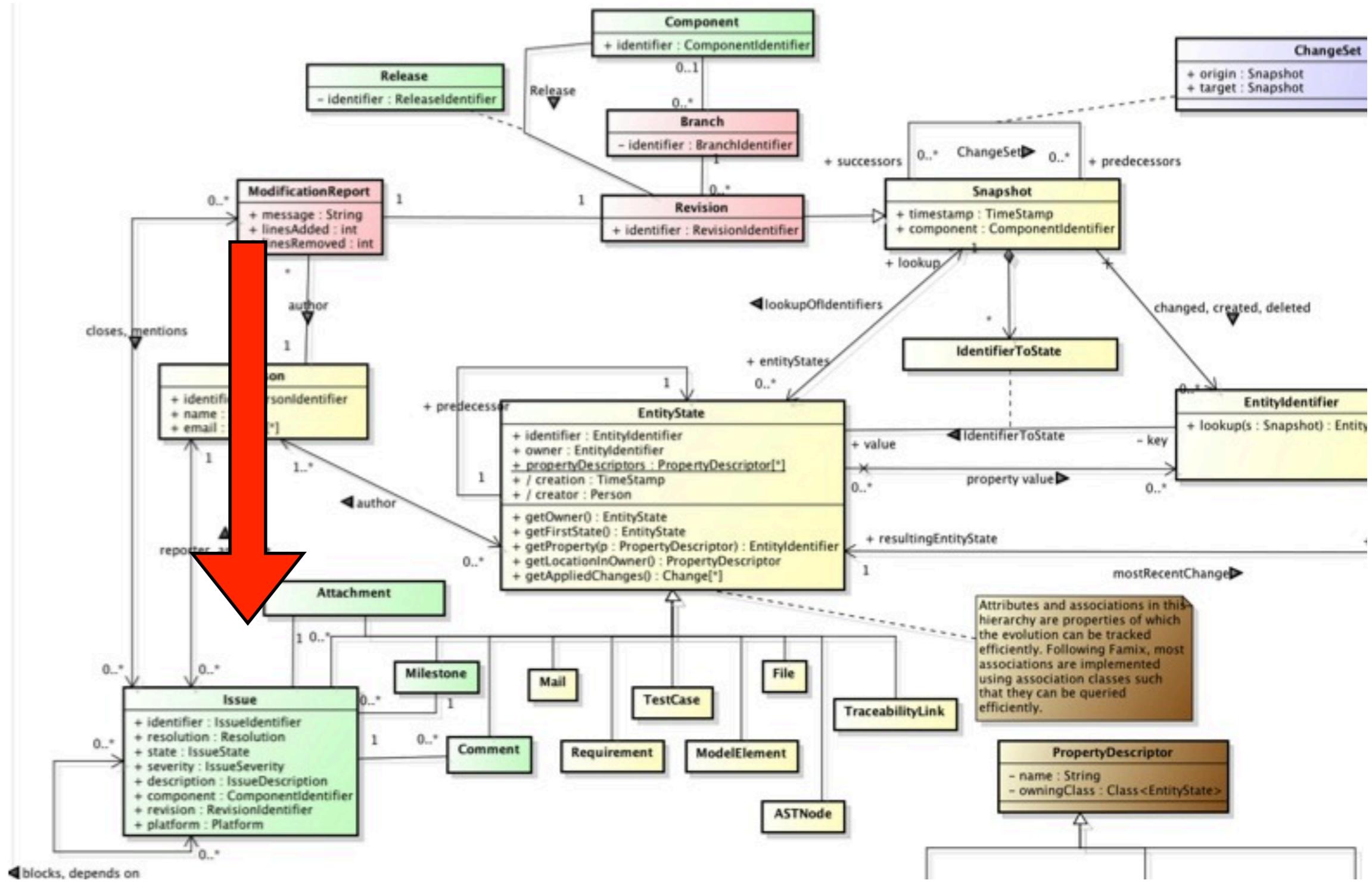
BELgian-NEtherlands software eVOLution (BENEVOL 2013)



# Predicting Issue-Fixing Time using Issue History



# Predicting Issue-Fixing Time using Issue History



# Input

## Bug 12345 - [DOGFOOD] Unable to Forward a message received as an Inline

<b>Status:</b> VERIFIED FIXED	<b>Reported:</b> 1999-08-23 16:34 PDT by marina
<b>Whiteboard:</b> [PDT+][PR1]	<b>Modified:</b> 2013-11-15 06:54 PST (History)
<b>Keywords:</b>	<b>CC List:</b> 8 users ( <a href="#">show</a> )
<b>Product:</b> MailNews Core ( <a href="#">show info</a> )	<b>See Also:</b>
<b>Component:</b> Backend ( <a href="#">show info</a> )	<b>Crash Signature:</b>
<b>Version:</b> Trunk	<b>Tracking Flags:</b>
<b>Platform:</b> x86 Windows NT	
<b>Importance:</b> P1 normal ( <a href="#">vote</a> )	
<b>Target Milestone:</b> M11	
<b>Assigned To:</b> jefft	
<b>QA Contact:</b> lchiang	
<b>URL:</b>	
<b>Depends on:</b> <a href="#">15069</a>	
<b>Blocks:</b> <a href="#">11091</a> <a href="#">17976</a>	
	Show dependency tree / graph

# Input

## Bug 12345 - [DOGFOOD] Unable to Forward a message received as an Inline

**Status:** VERIFIED FIXED  
**Whiteboard:** [PDT+][PR1]  
**Keywords:**  
**Product:** MailNews Core ([show info](#))  
**Component:** Backend ([show info](#))  
**Version:** Trunk  
**Platform:** x86 Windows NT  
**Importance:** P1 normal ([vote](#))  
**Target Milestone:** M11  
**Assigned To:** jefft  
**QA Contact:** lchiang  
**URL:**  
**Depends on:** [15069](#)  
**Blocks:** [11091](#) [17976](#)  
[Show dependency tree / graph](#)



**Reported:** 1999-08-23 16:34 PDT by marina

**Modified:** 2013-11-15 06:54 PST (History)

**CC List:** 8 users ([show](#))

**See Also:**

**Crash Signature:**

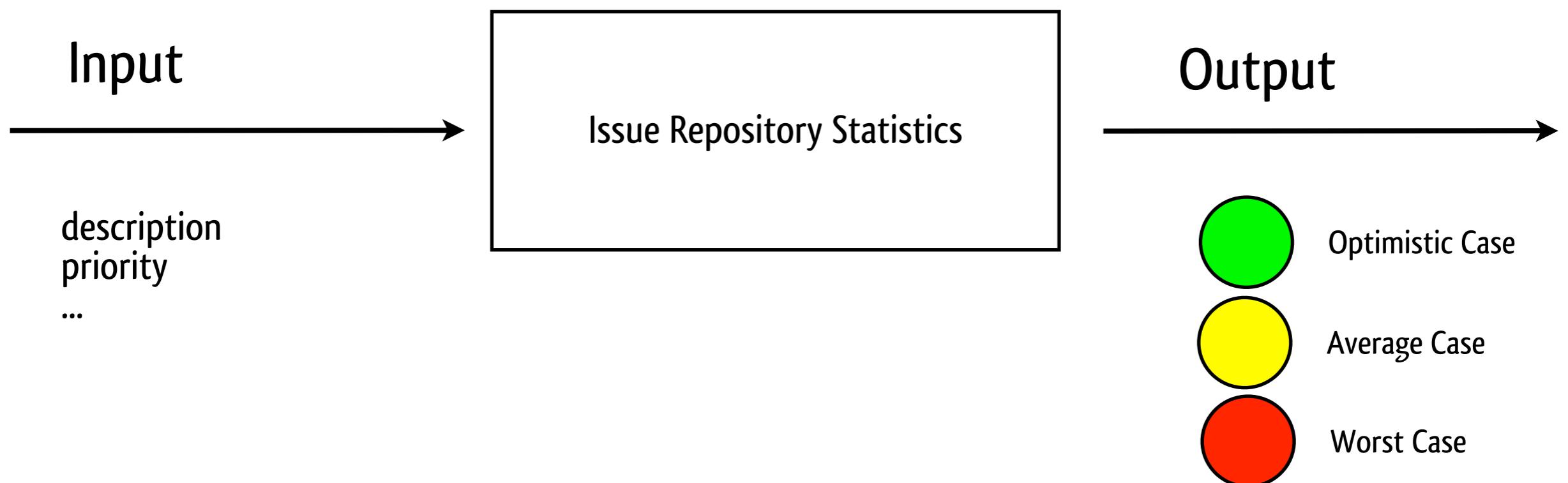
**Tracking Flags:**

# Goals

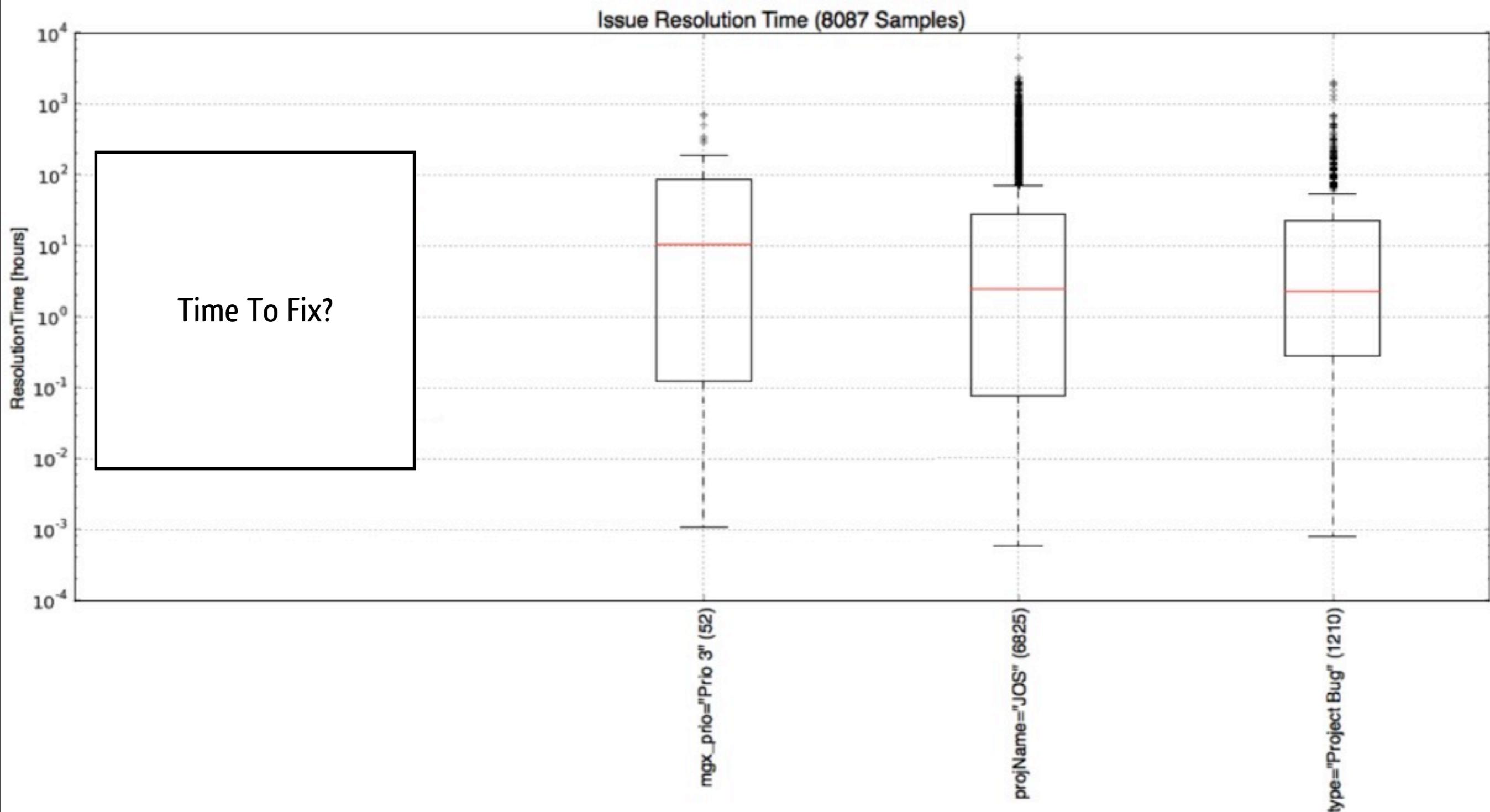
- Plan workload
- Worst case scenario
- Identify bottlenecks



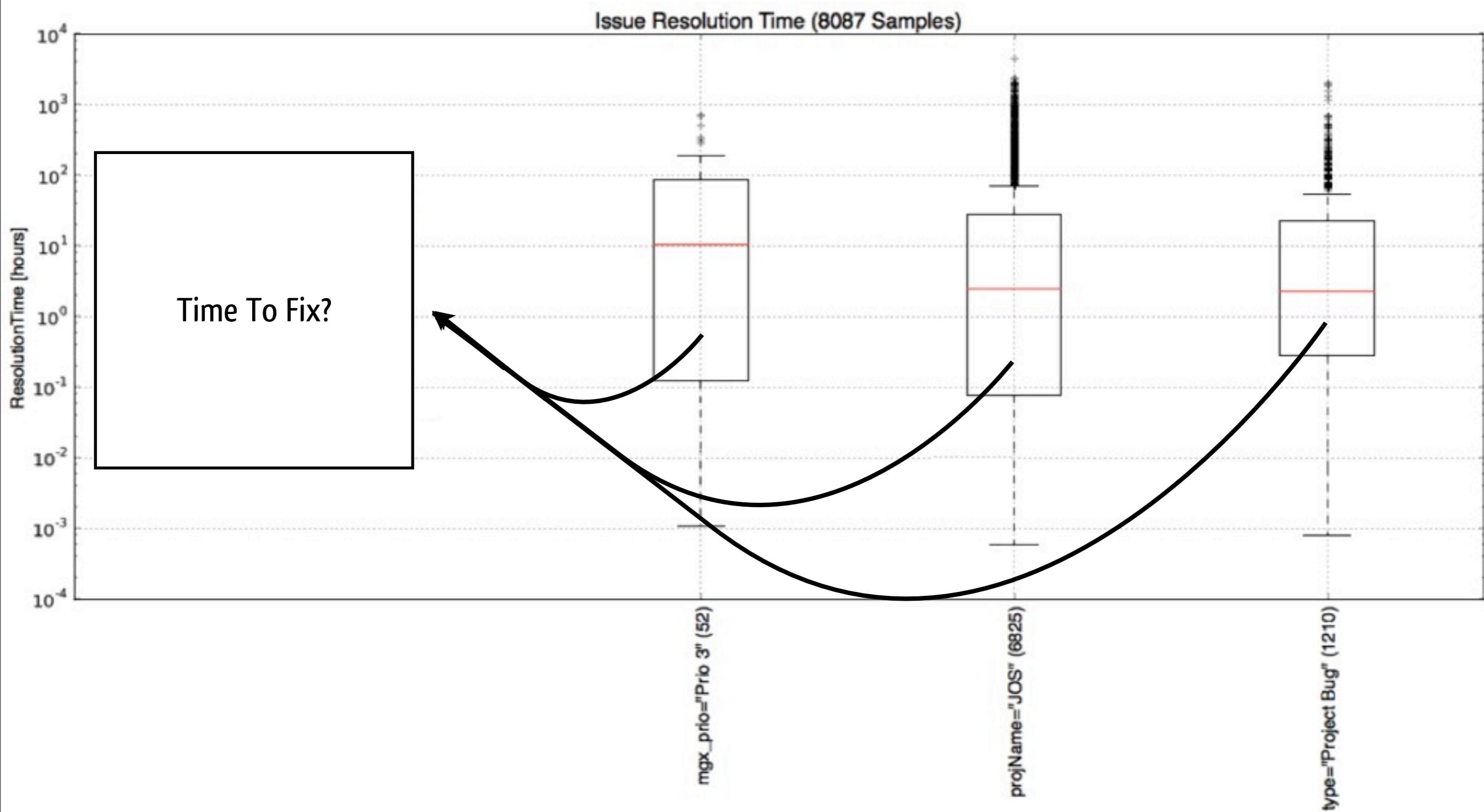
# Overview



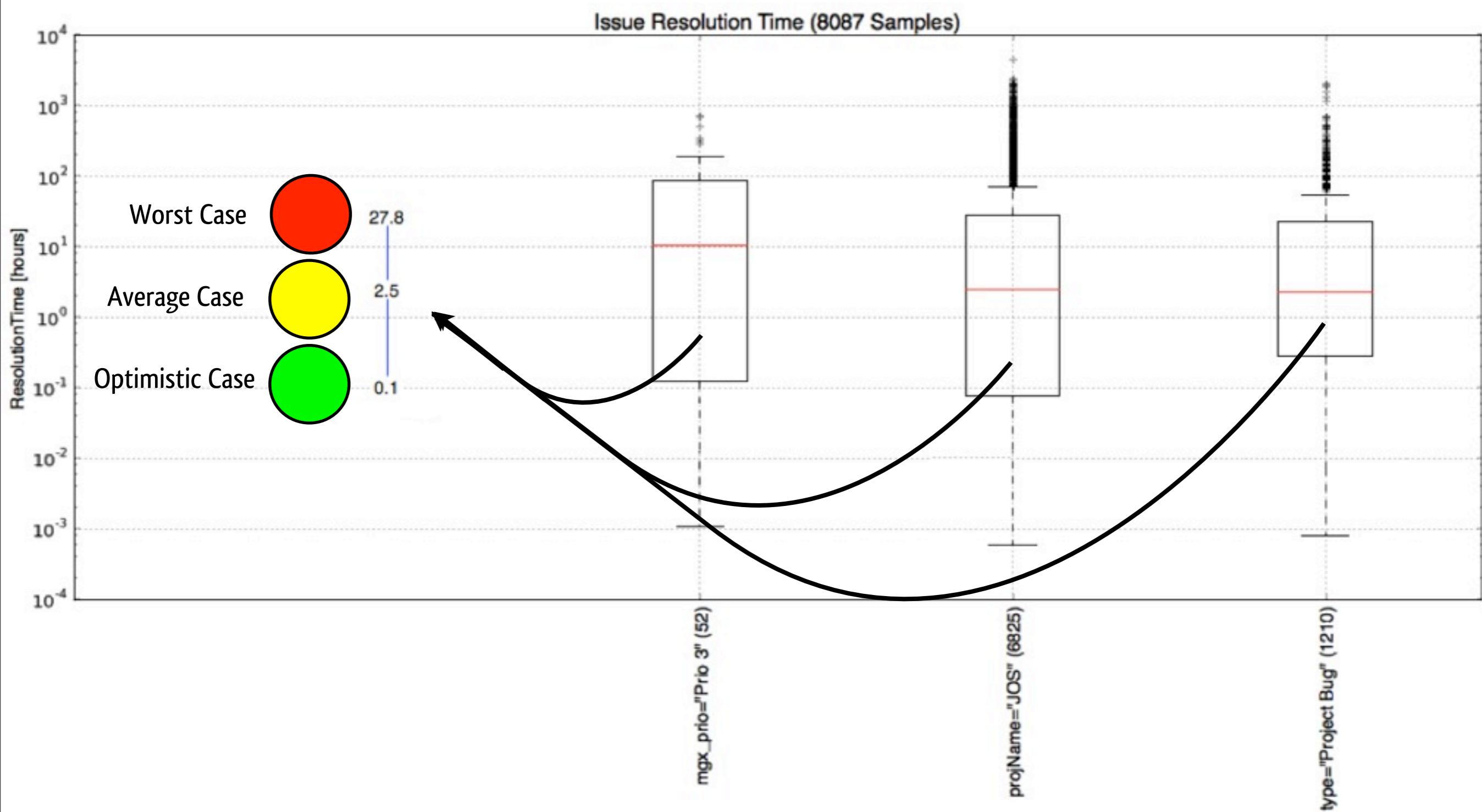
# Output



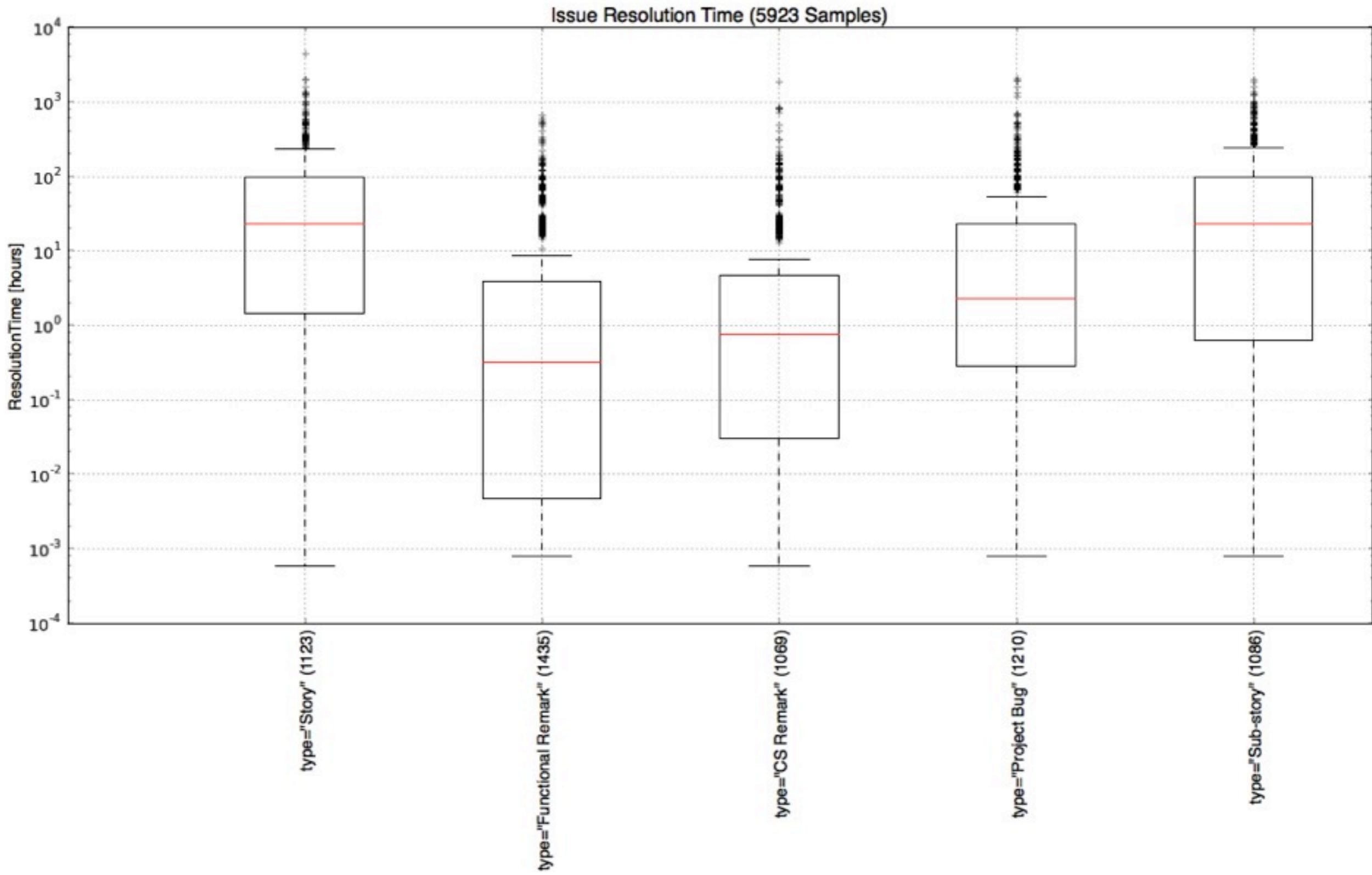
# Output



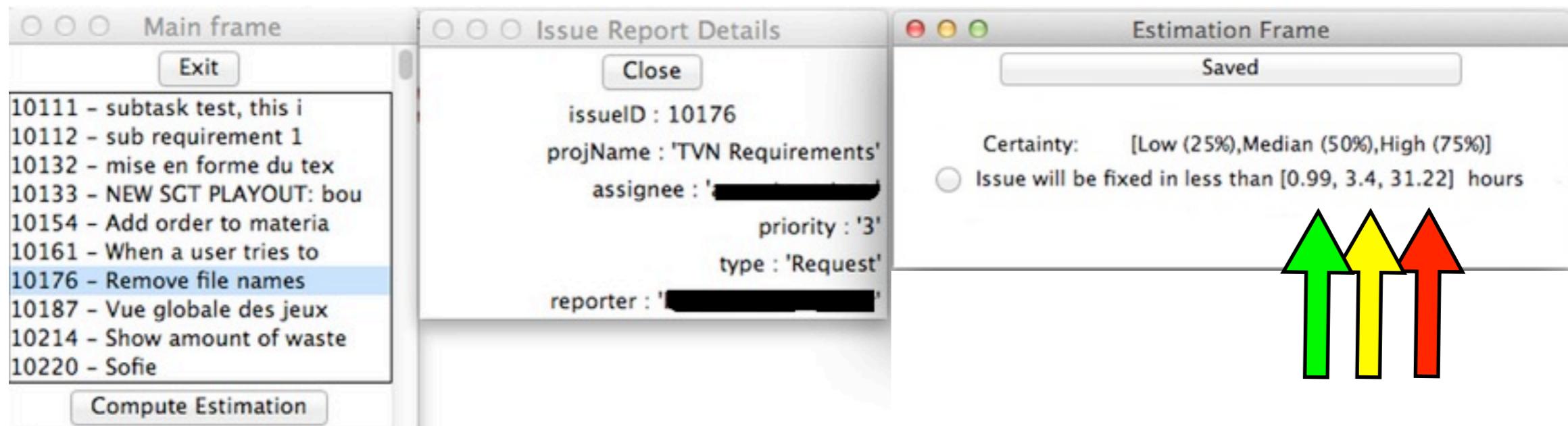
# Output



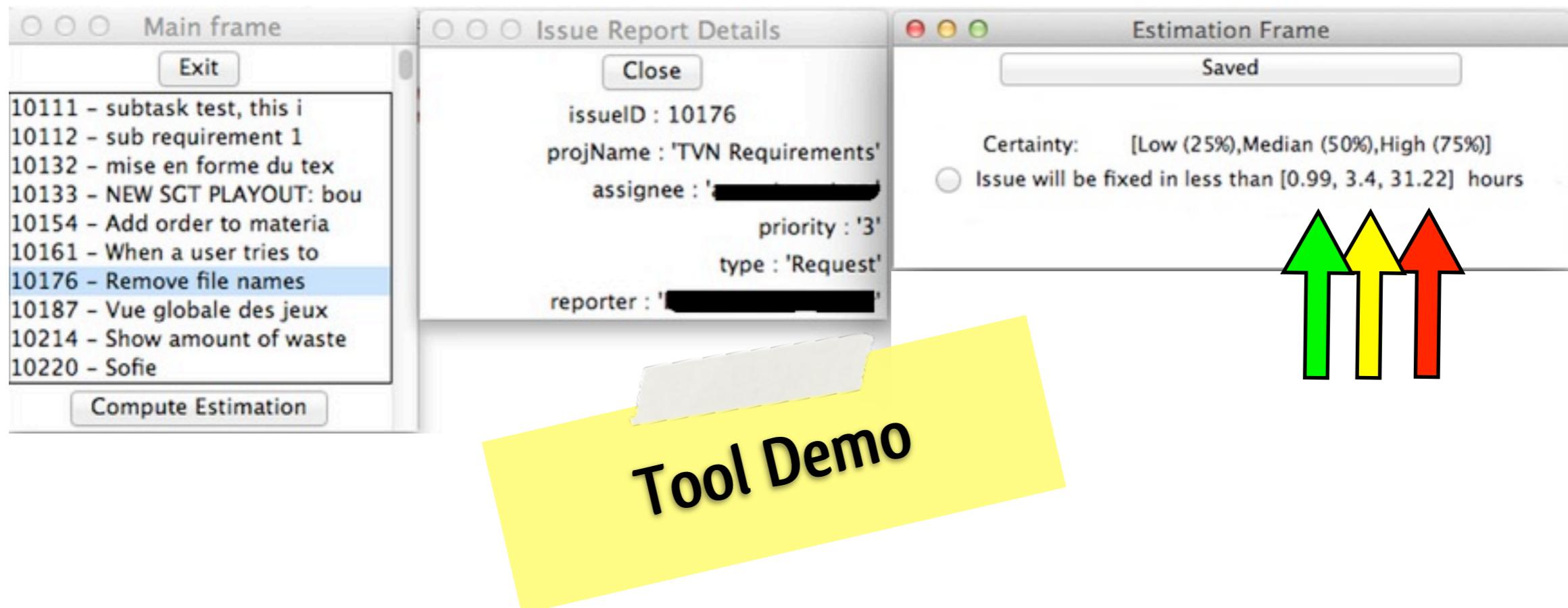
# Output



# Tool in action



# Tool in action





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