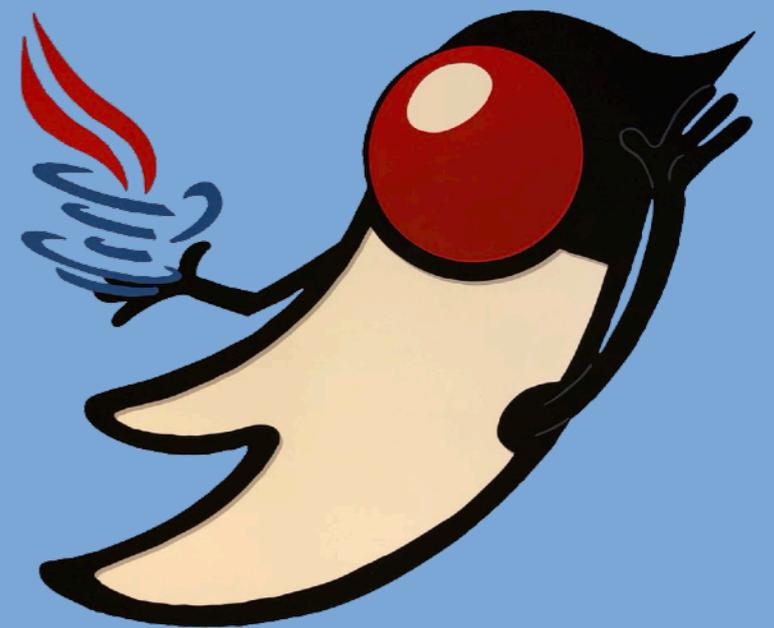
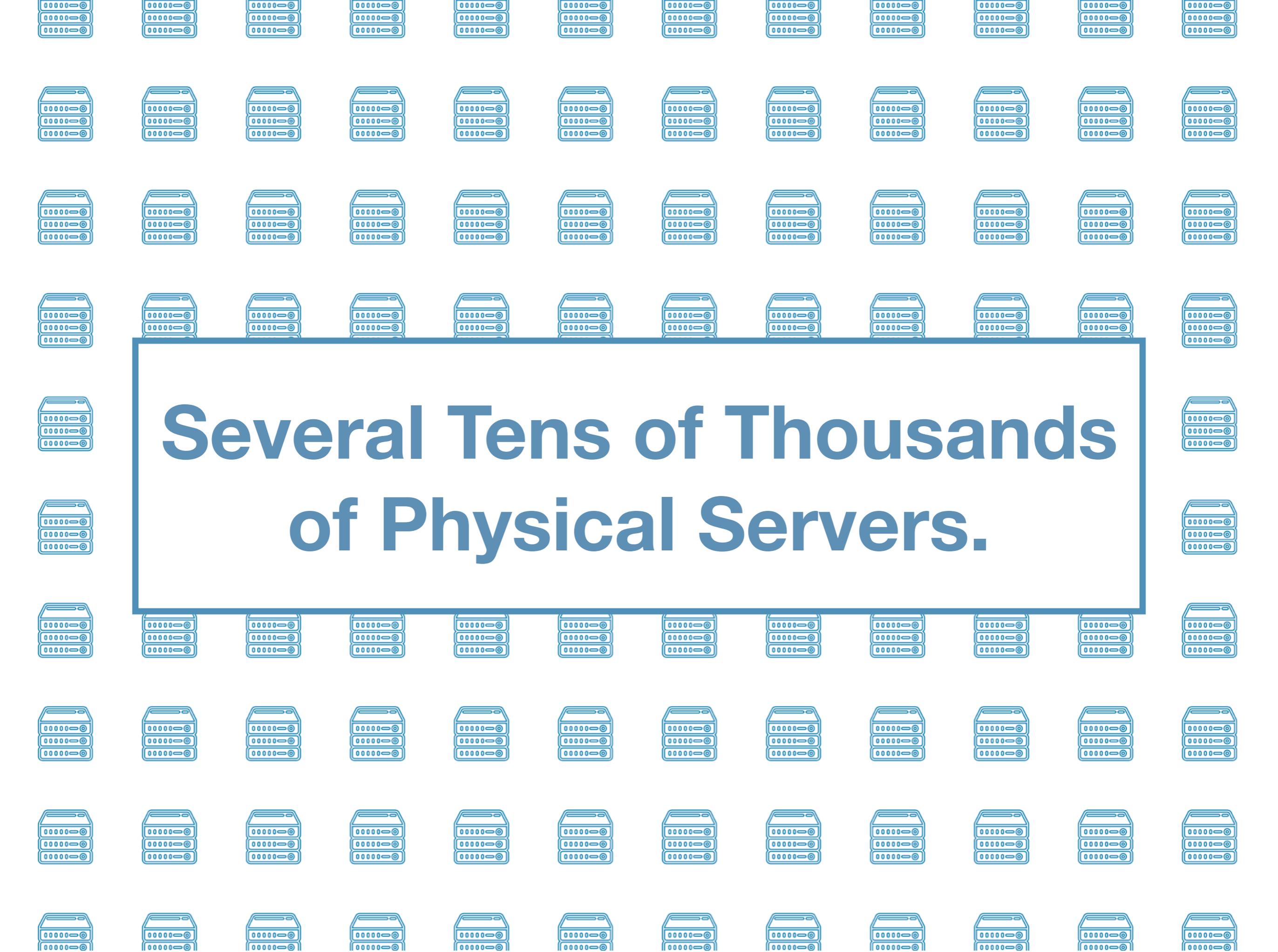


Automated performance tuning using machine learning.

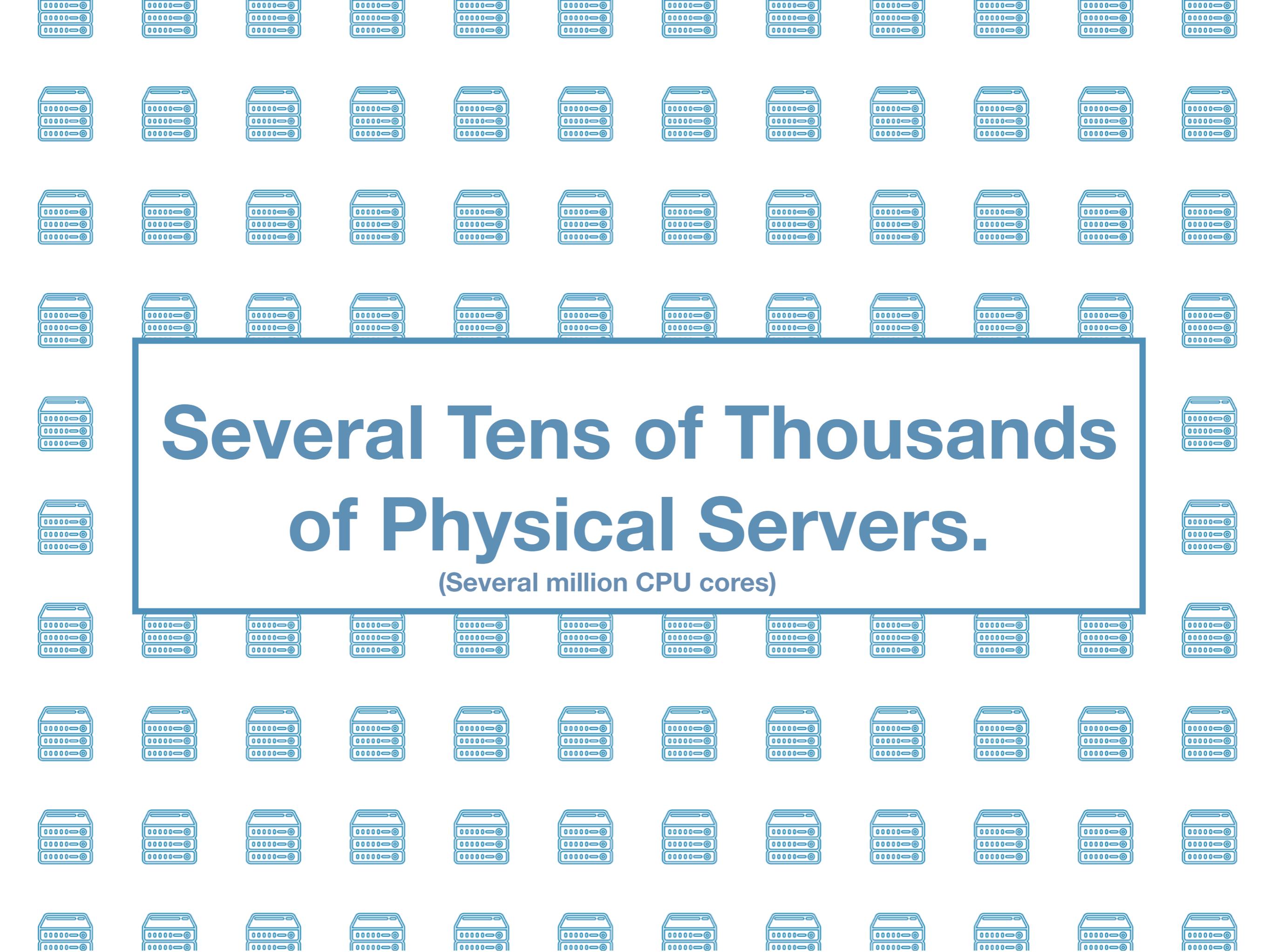




**Many Hundreds of
Services.**



**Several Tens of Thousands
of Physical Servers.**

The background of the entire image is a repeating pattern of light blue line-art icons representing server racks. Each icon shows a vertical stack of three server units with various ports and indicators. These icons are arranged in a regular grid across the entire page.

Several Tens of Thousands of Physical Servers.

(Several million CPU cores)



**Several Hundreds of
Thousands of Twitter JVMs.**



f (**Service
Finagle
Twitter JVM
Mesos Container
Kernel & OS
Hardware**)









Andrew Ng

@AndrewYNg

If you're trying to understand AI's near-term impact, don't think "sentience." Instead think "automation on steroids."

11:04 AM - 1 May 2017 from Stanford, CA

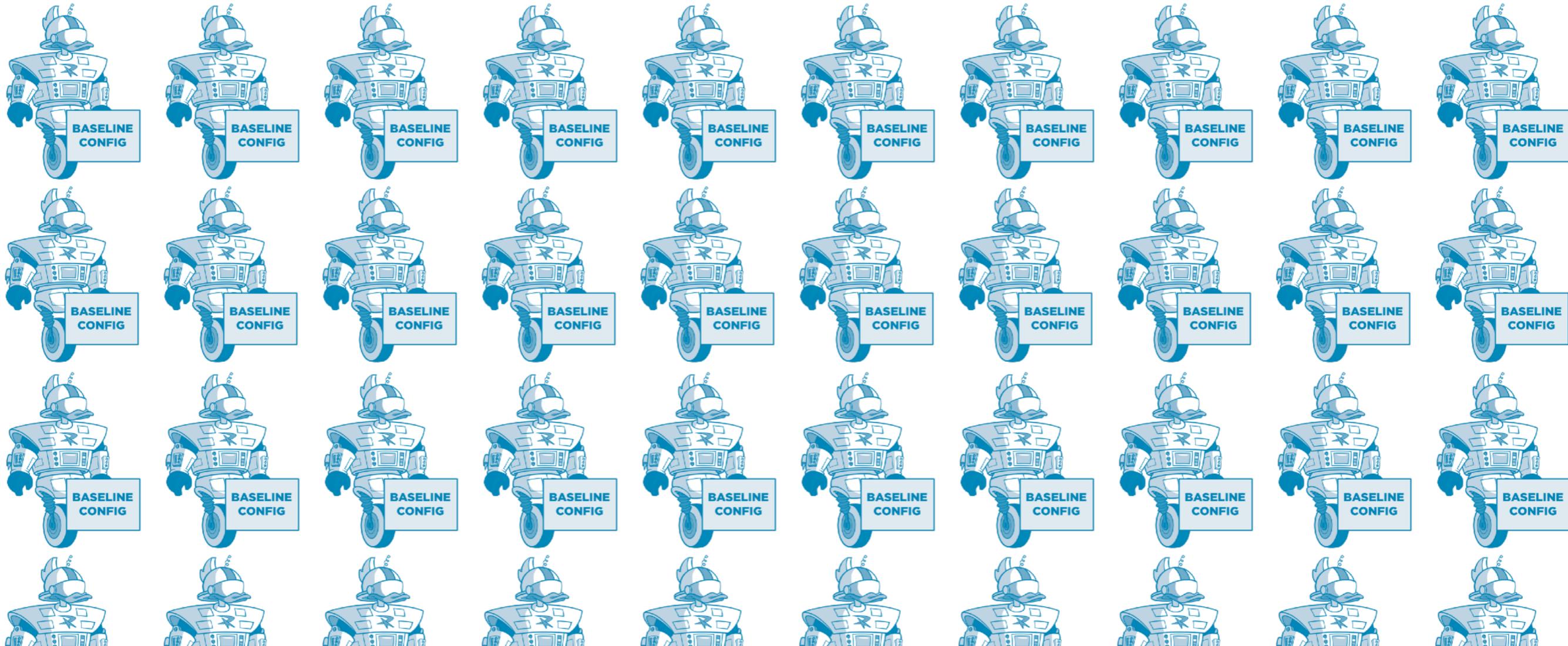
1,397 Retweets **2,085** Likes

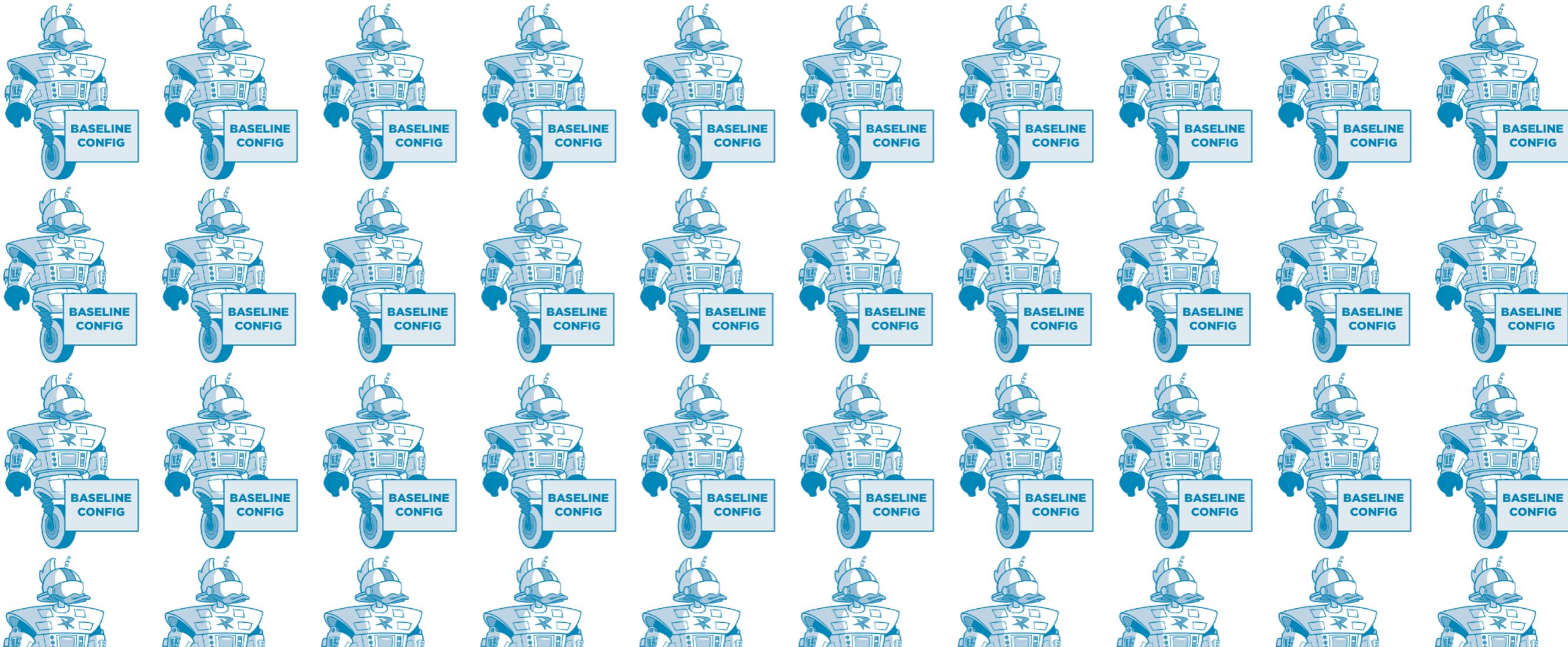
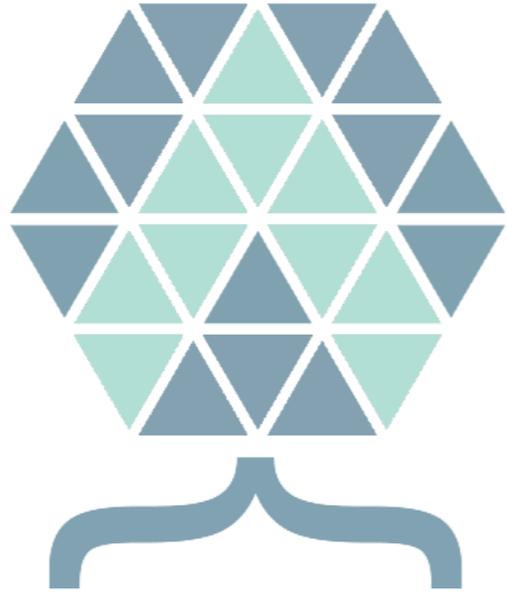


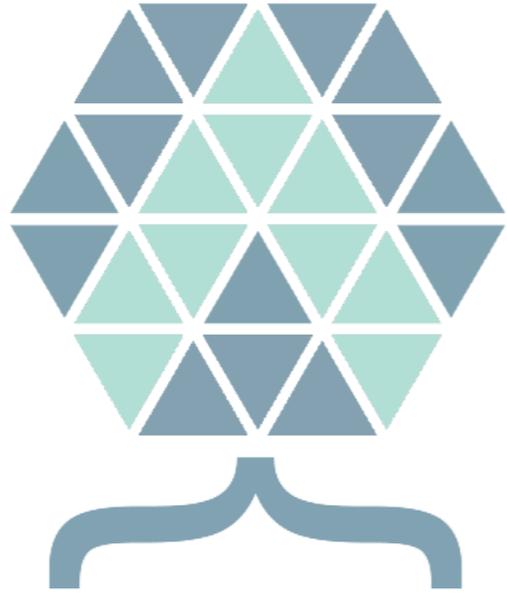
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1.4K

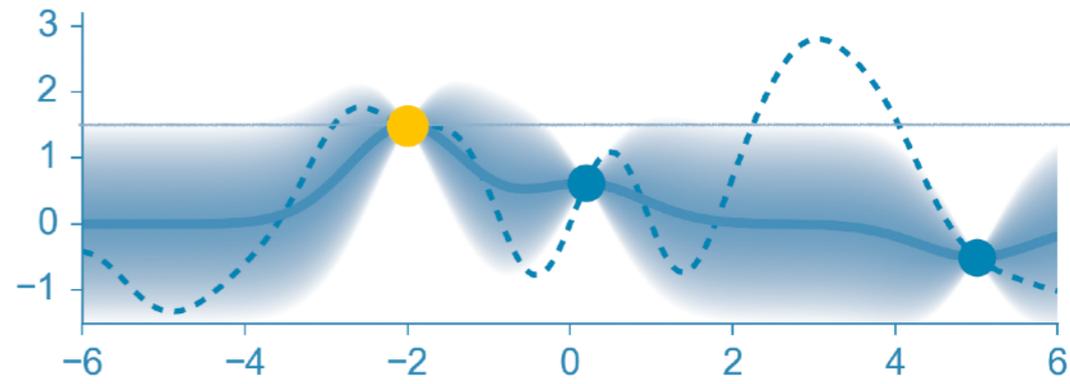
2.1K



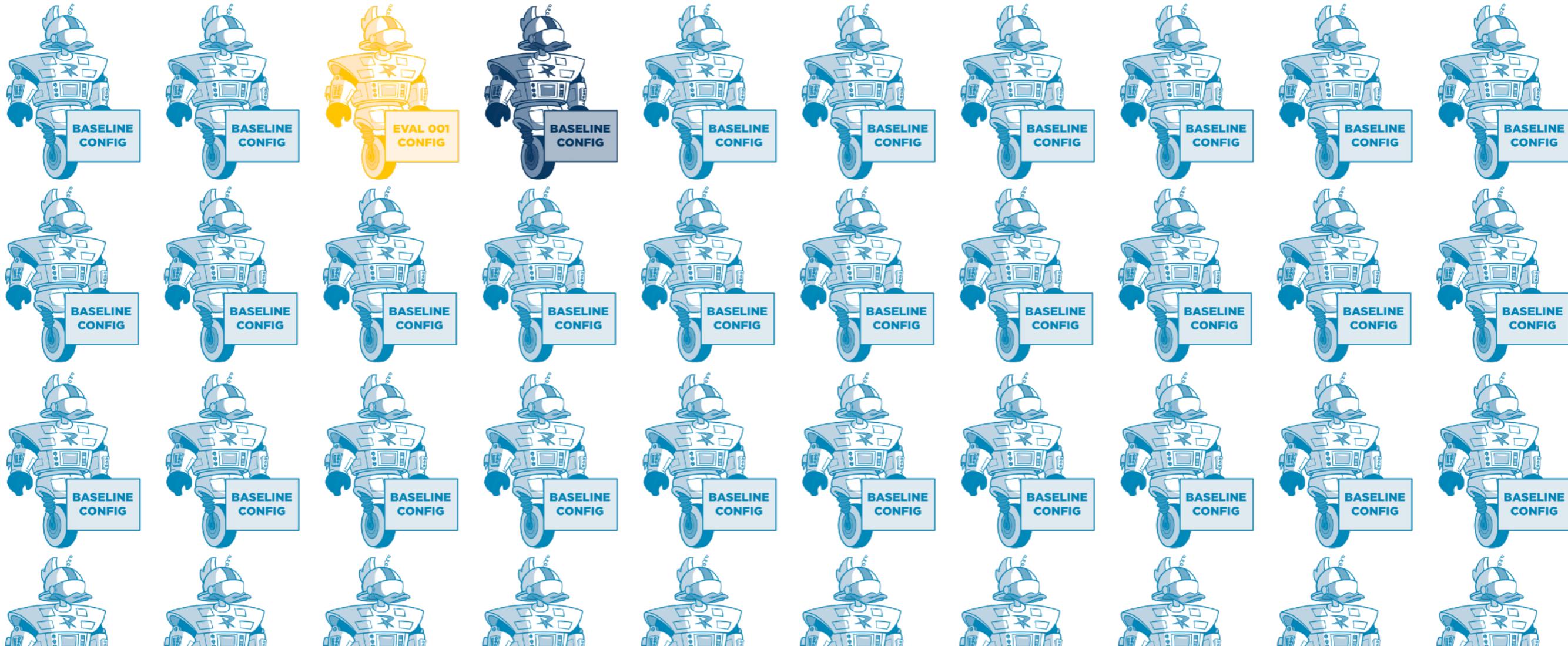
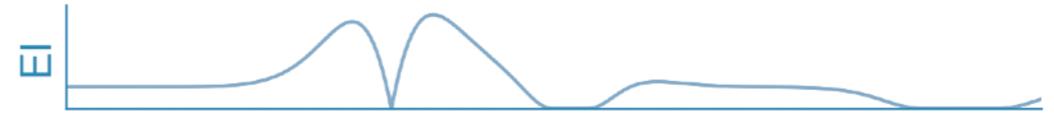


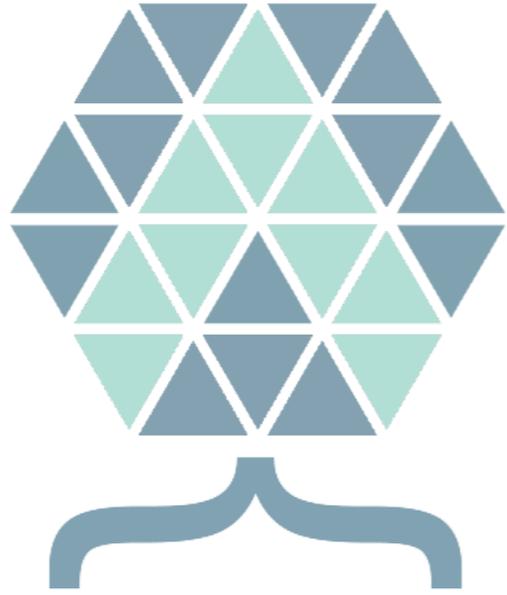


Performance
(Higher is Better)

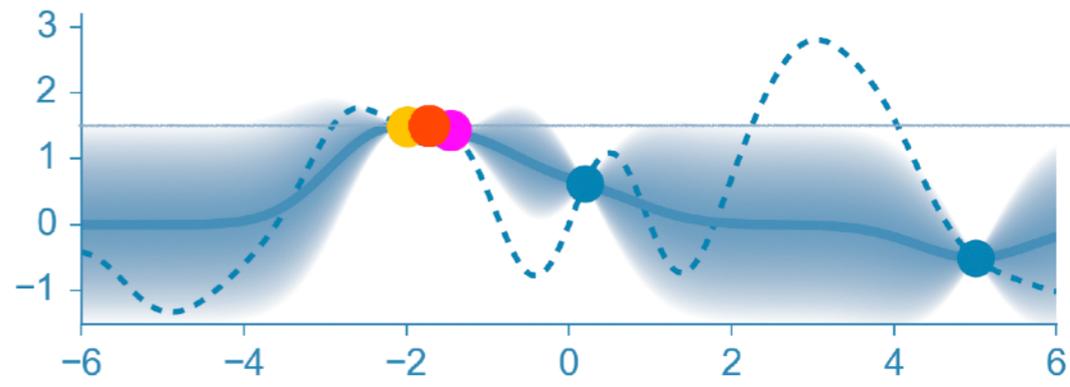


Parameter That Affects Performance

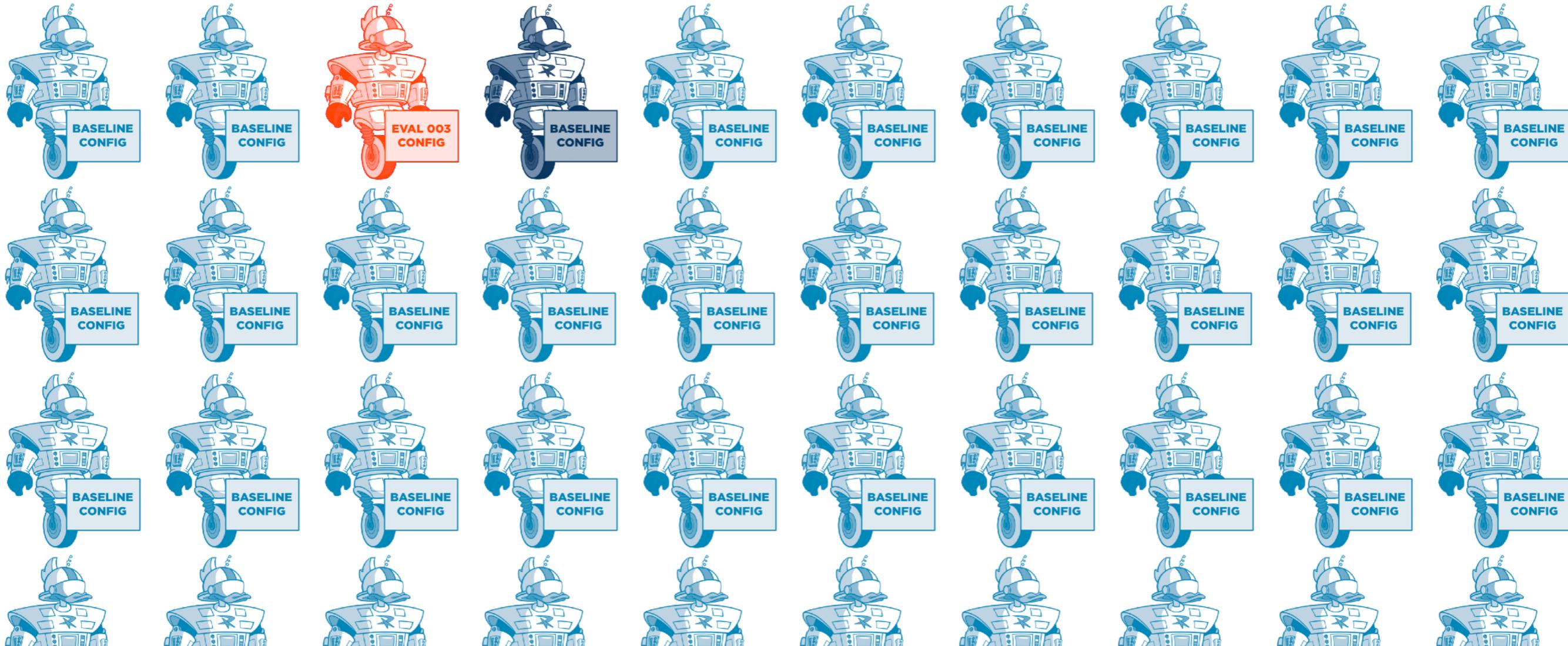
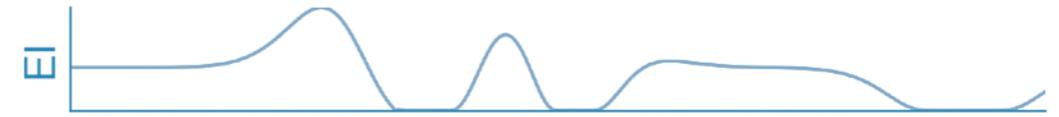


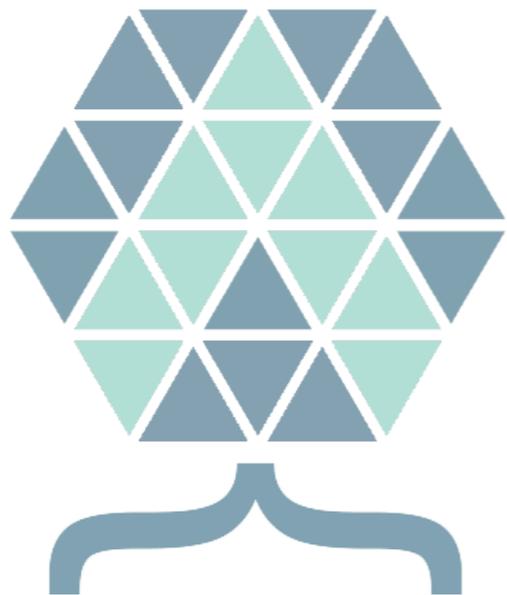


Performance
(Higher is Better)

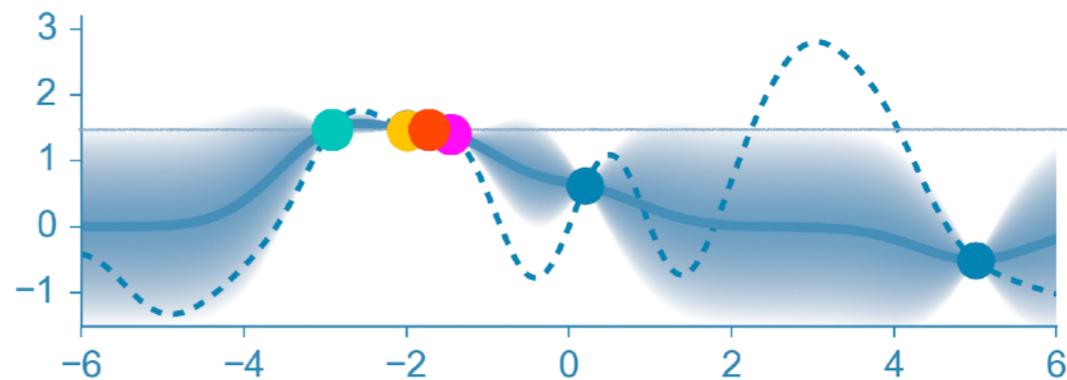


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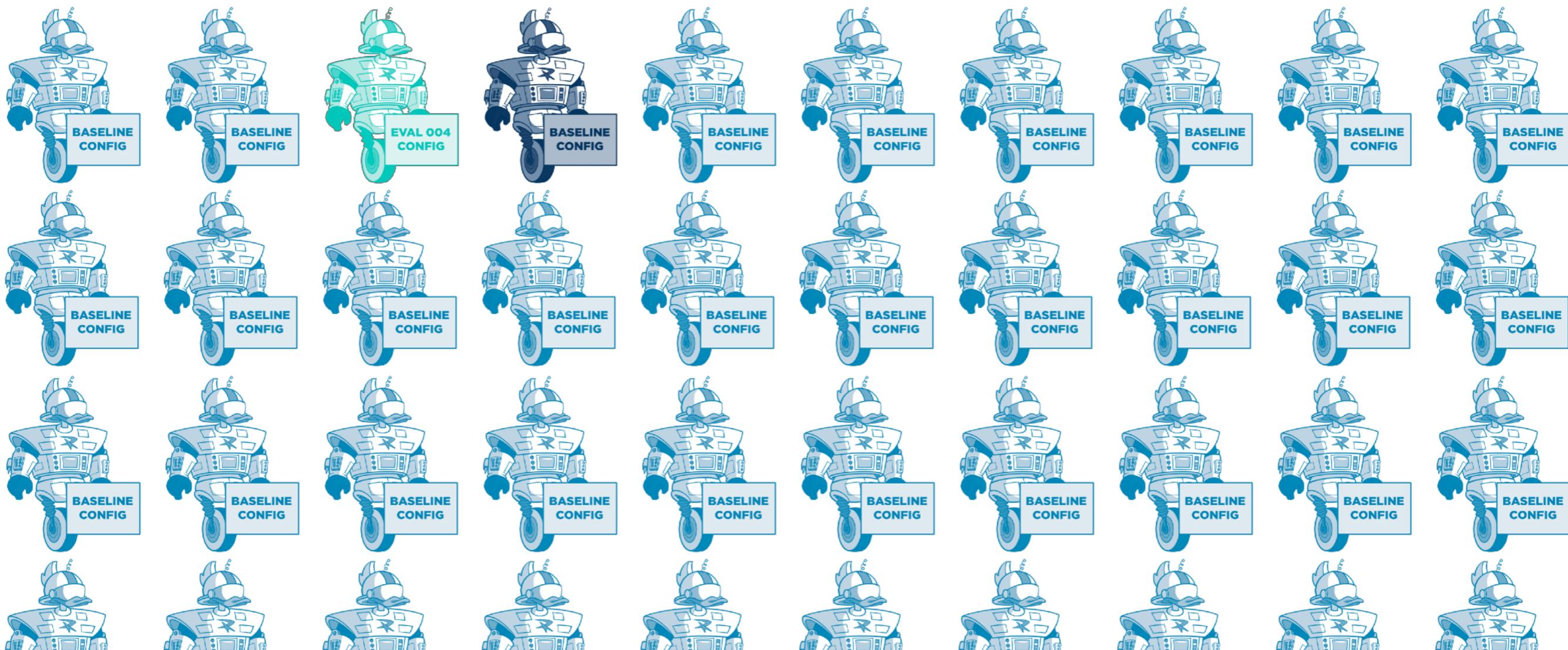


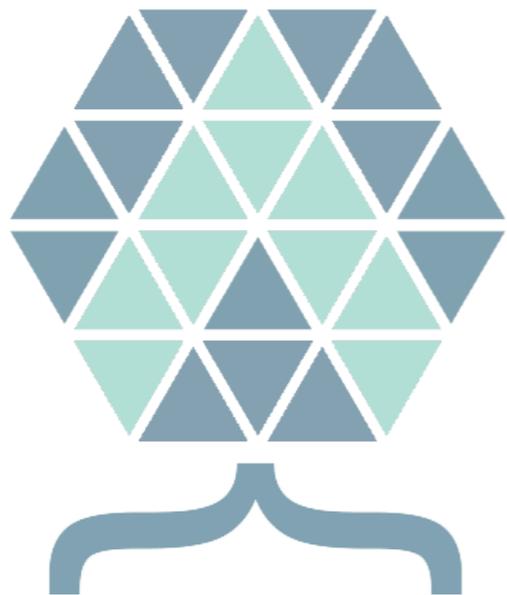


Performance
(Higher is Better)

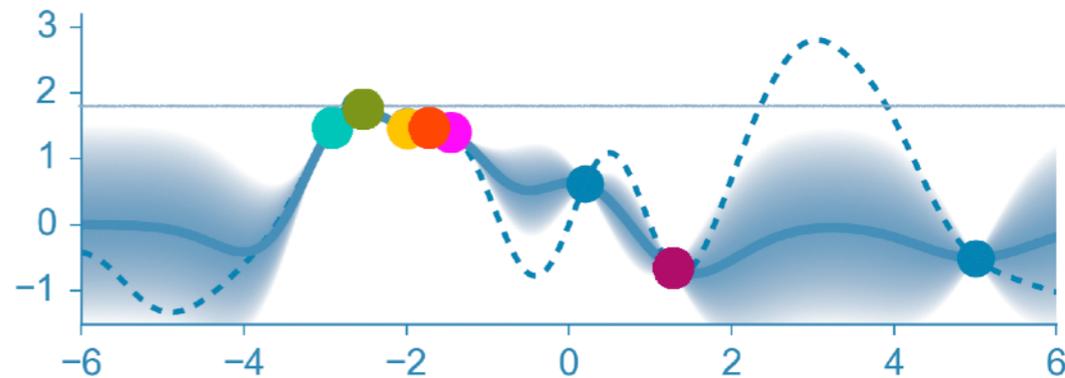


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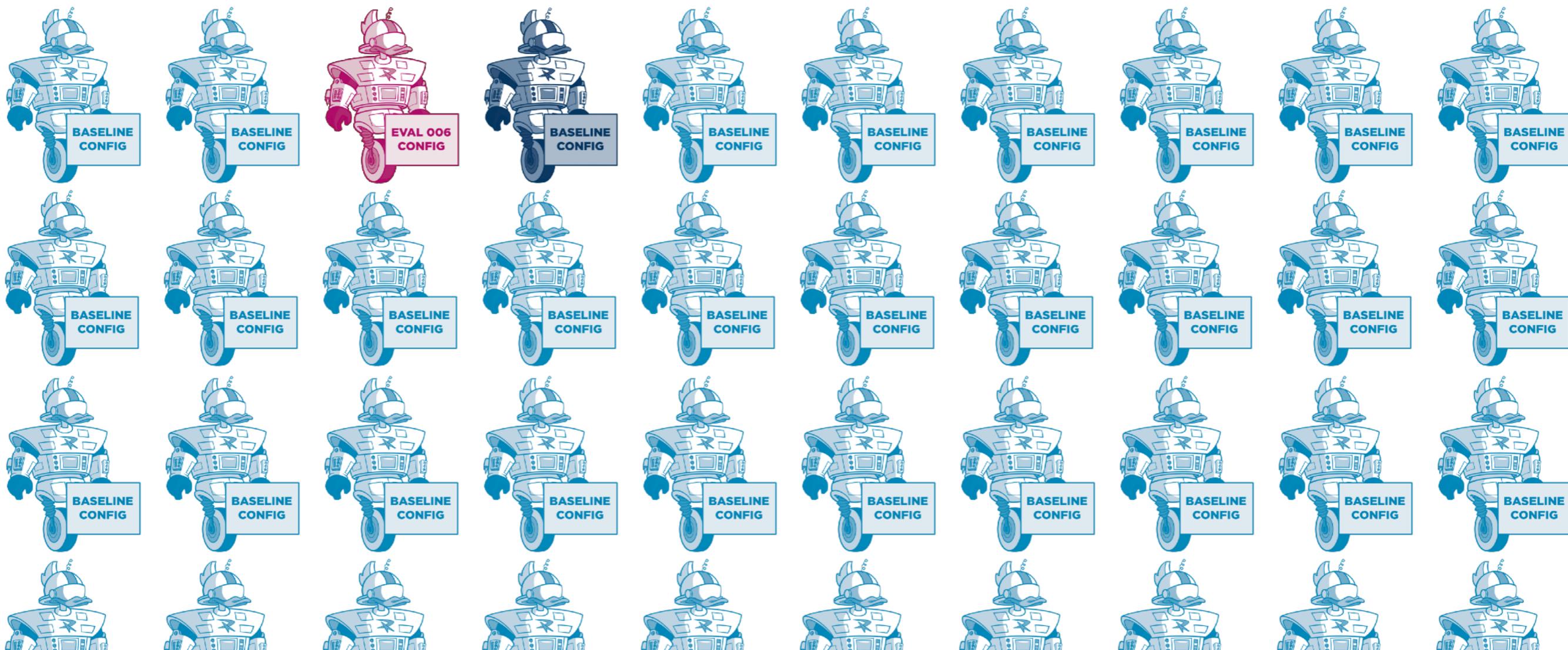


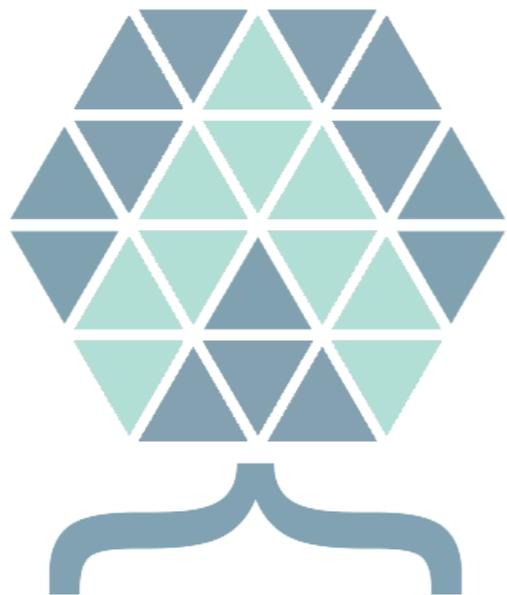


Performance
(Higher is Better)

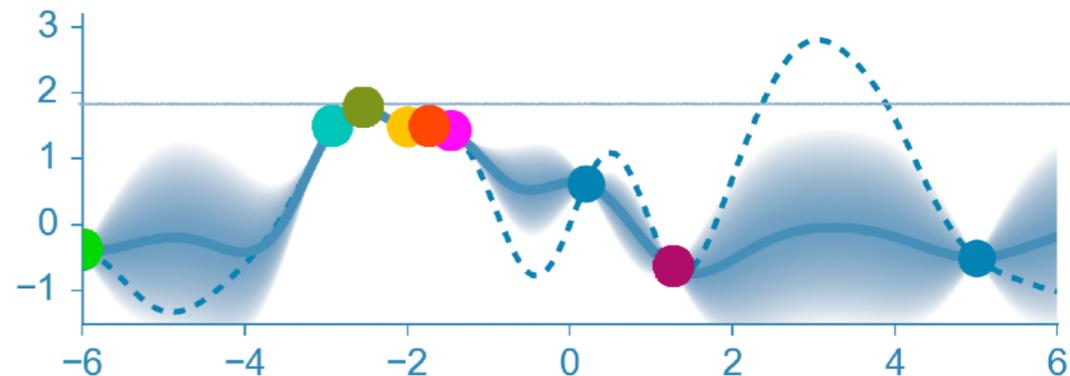


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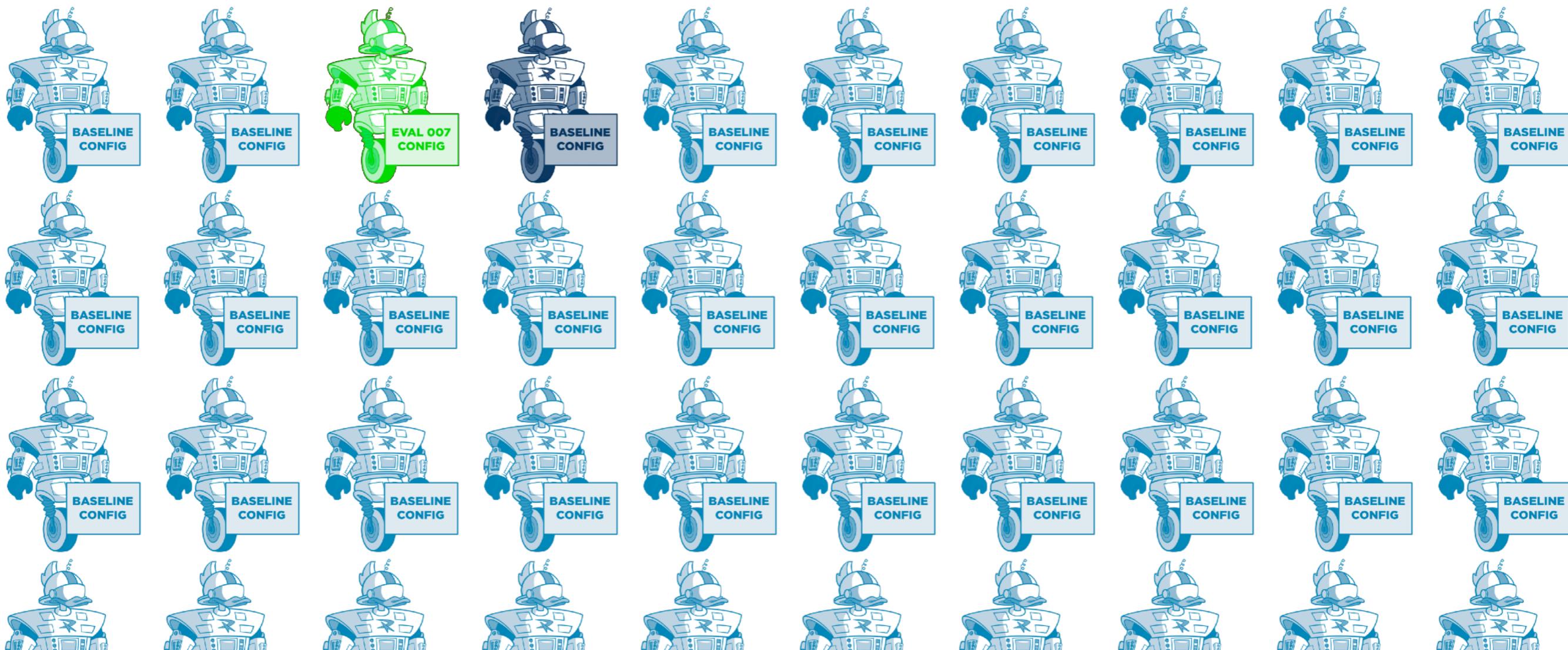


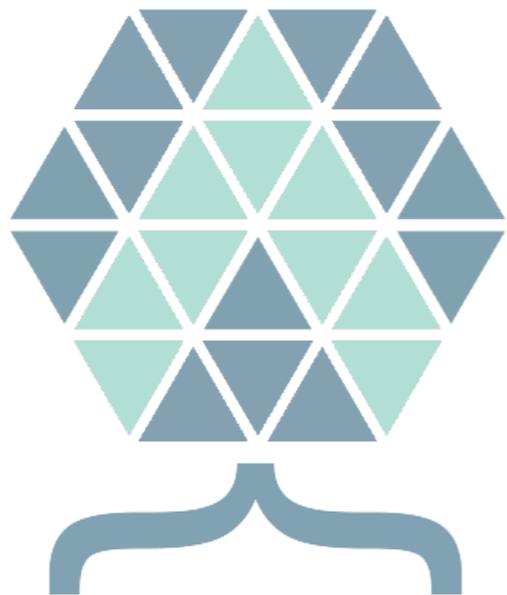


Performance
(Higher is Better)

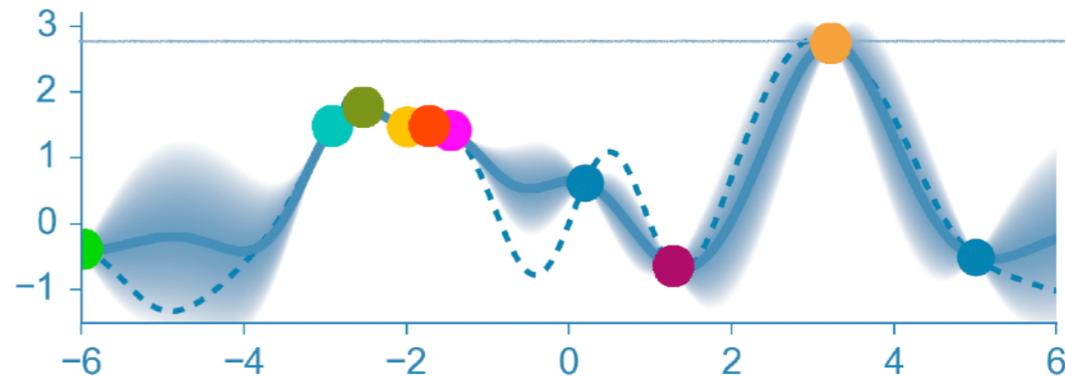


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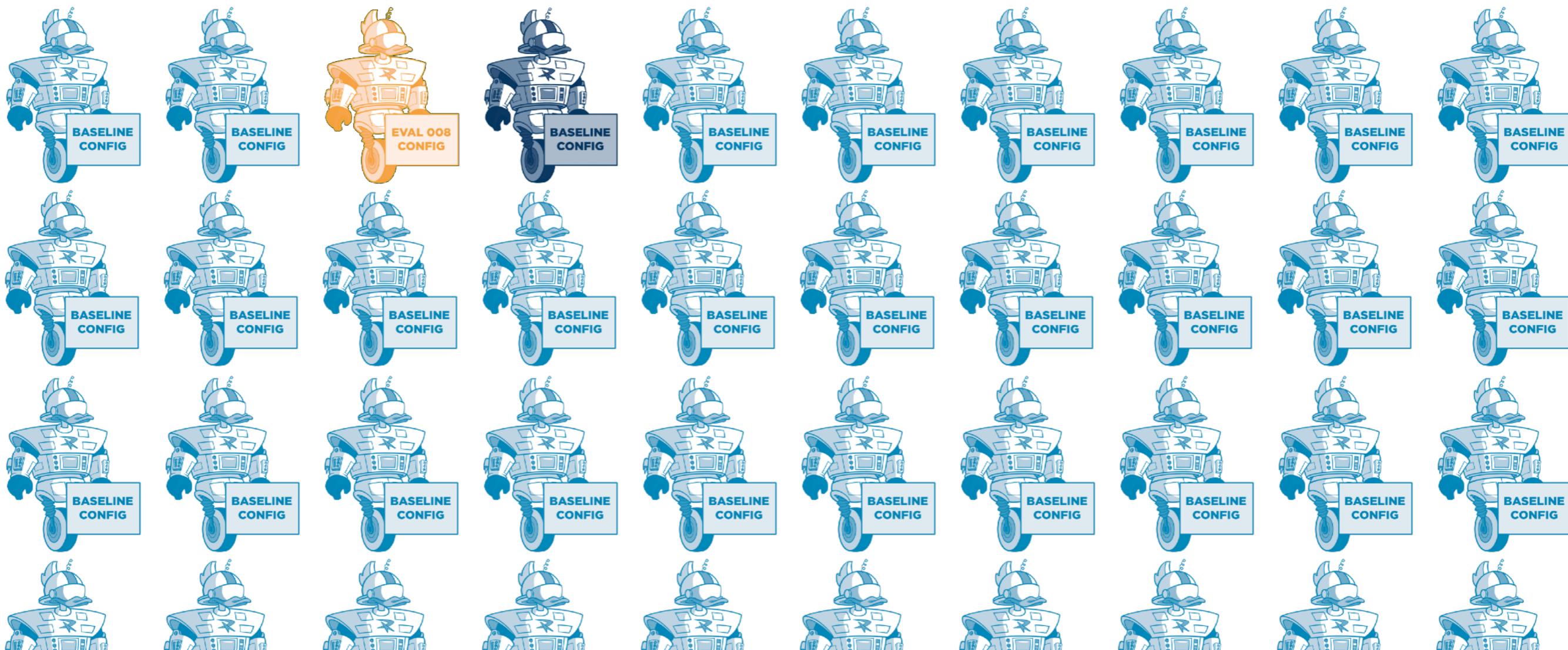


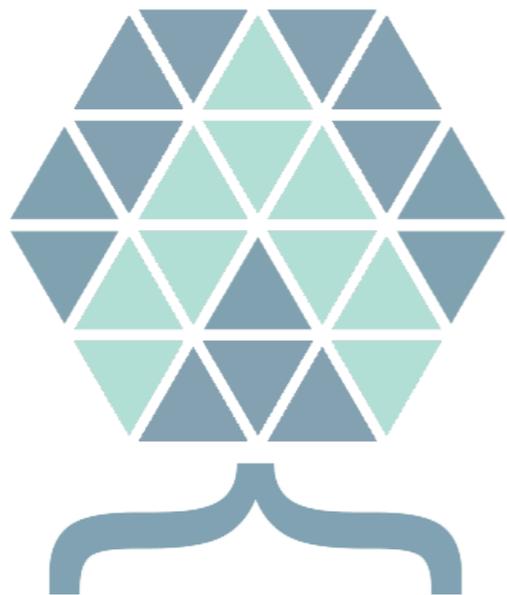


Performance
(Higher is Better)

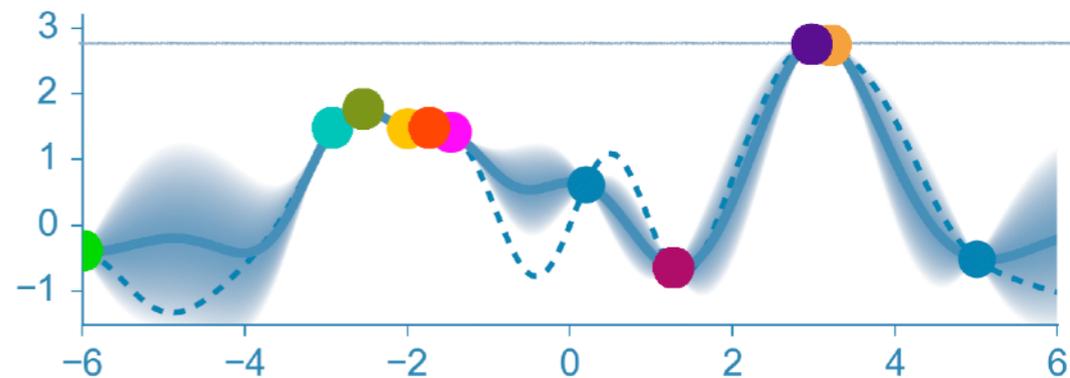


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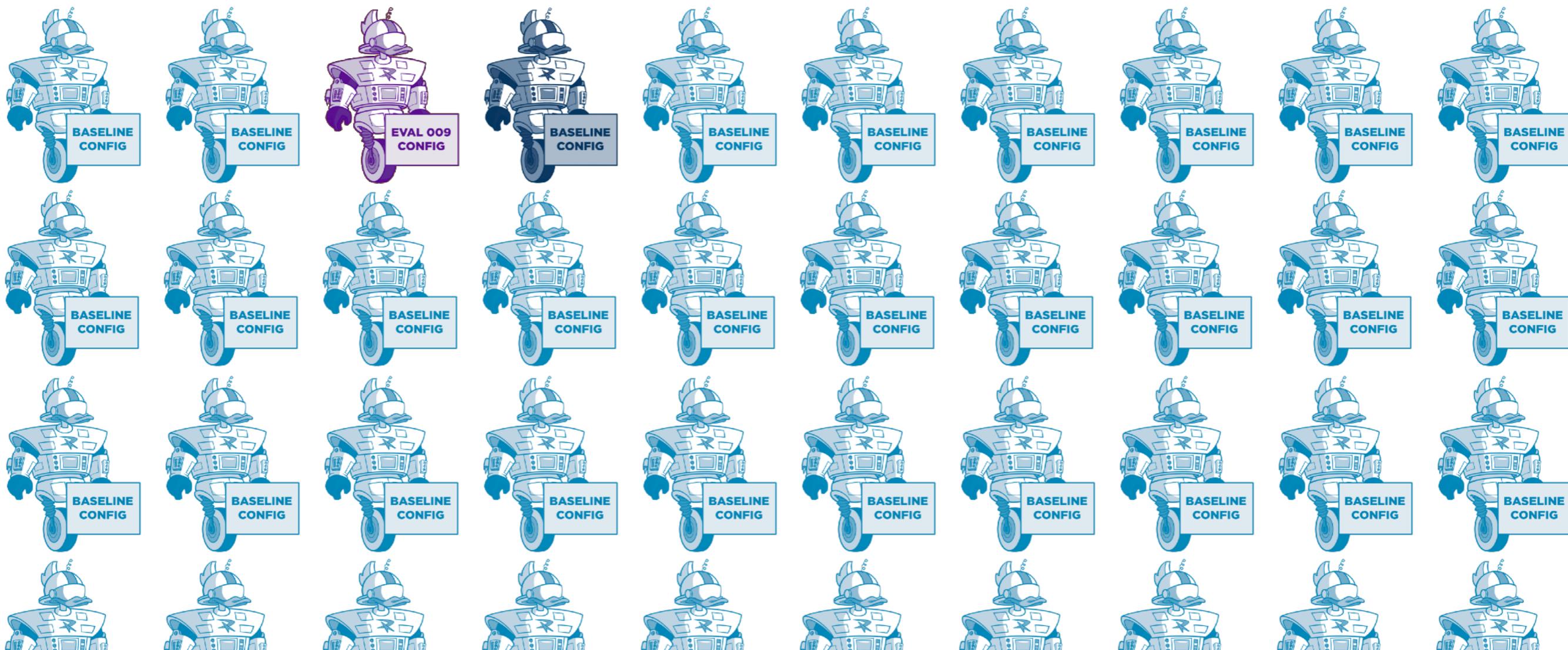




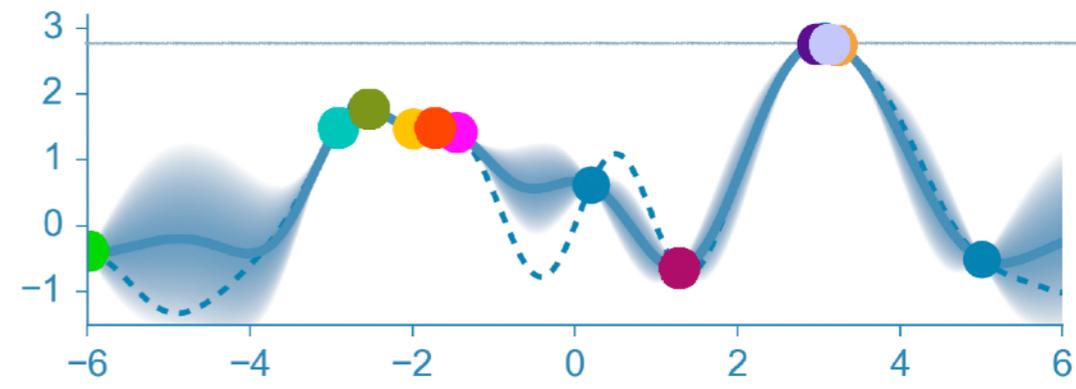
Performance
(Higher is Better)



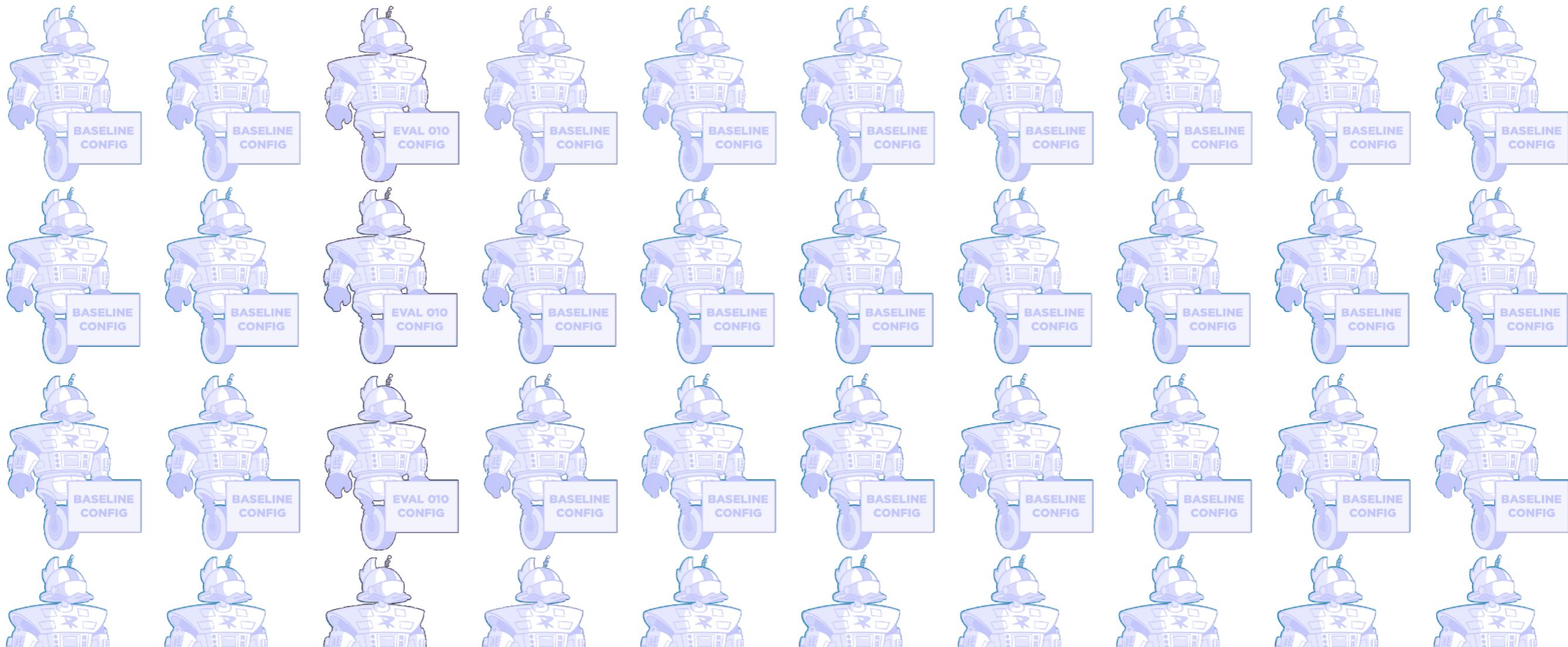
Parameter That Affects Performance



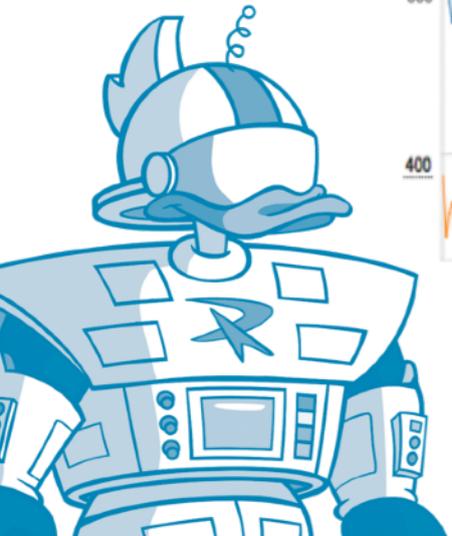
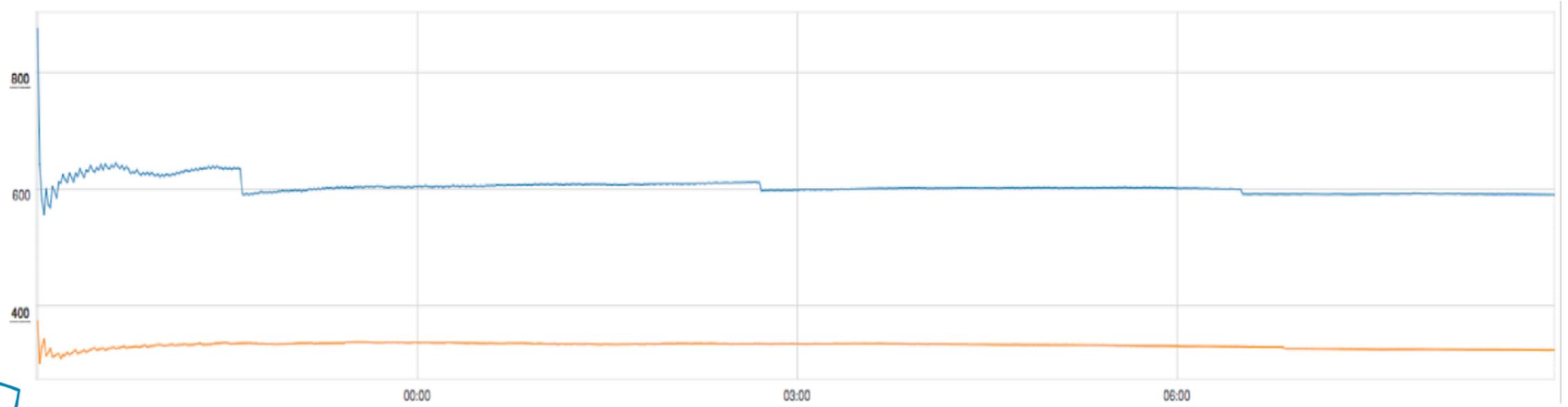
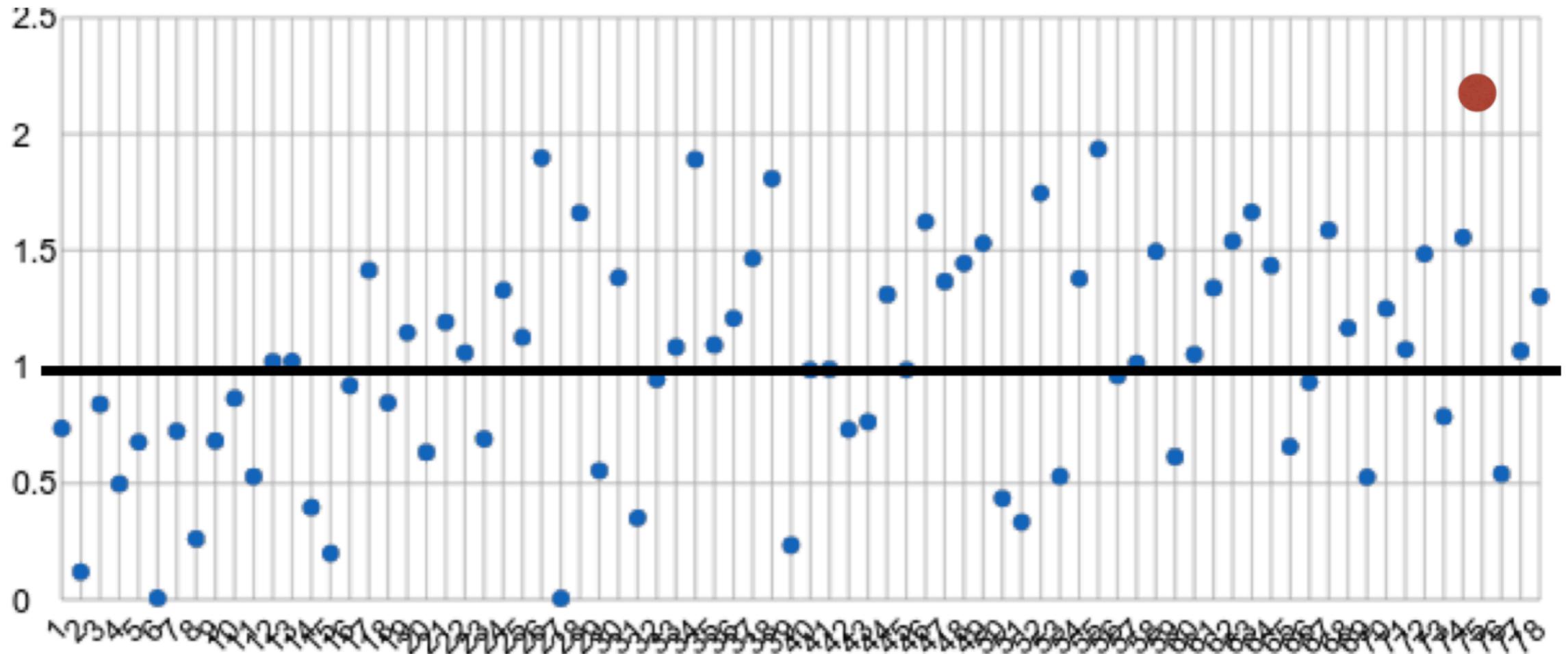
Performance
(Higher is Better)



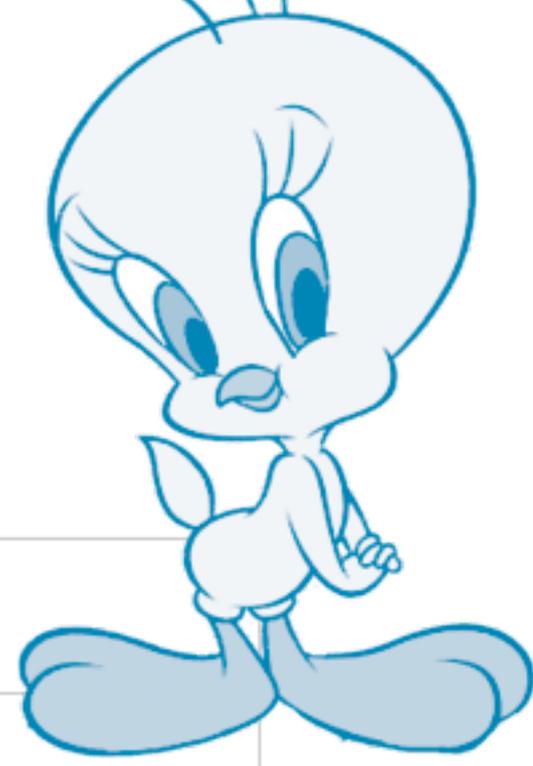
Parameter That Affects Performance



GizmoDuck & Garbage Collection



TweetyPie & CPU Utilization



Objective vs. Iteration

