

MONITOR YOUR APPS WITH THE



elastic stack

Philipp Krenn

@xeraa



Honest Status Page

@honest_update

 Follow



We replaced our monolith with micro services so that every outage could be more like a murder mystery.

RETWEETS

2,882

LIKES

2,256



4:10 PM - 7 Oct 2015



18



2.9K



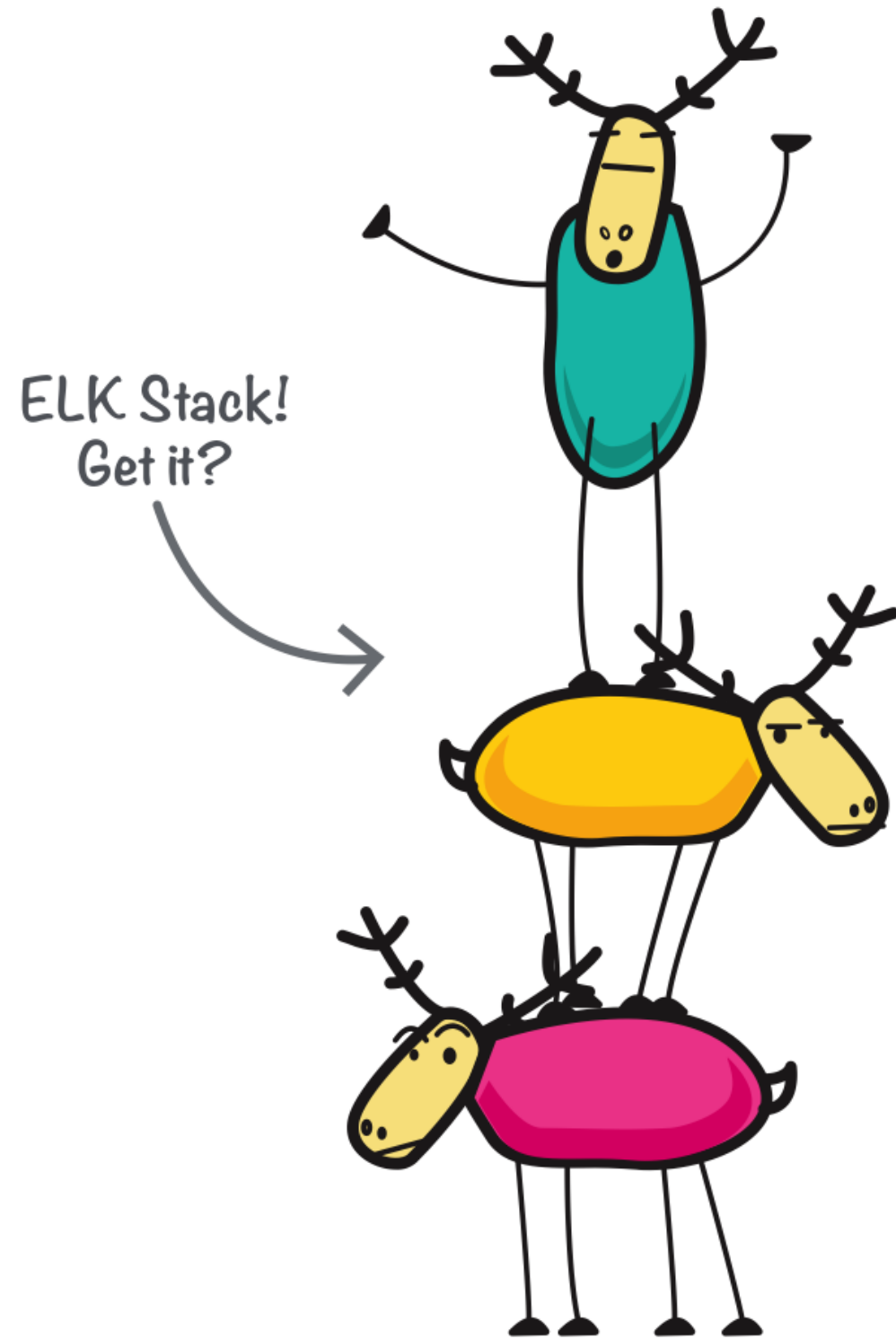
2.3K





ALL THE THINGS!



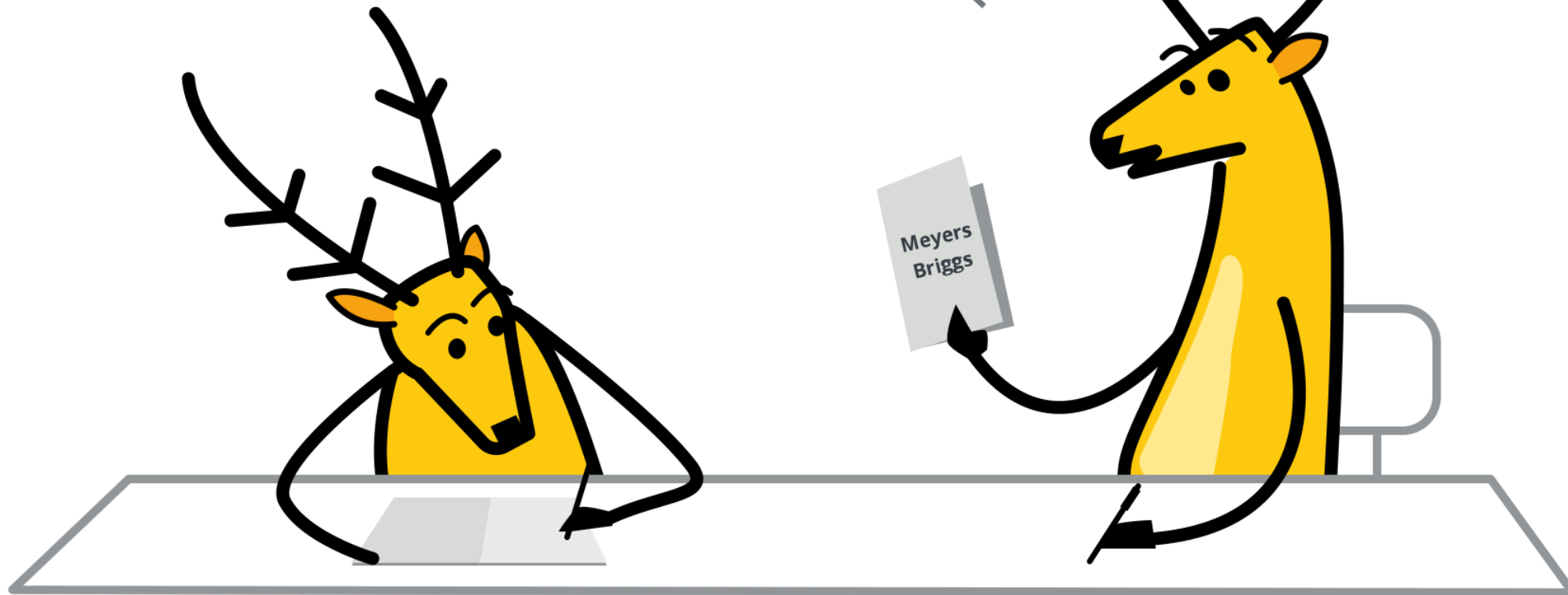


E Elasticsearch

L Logstash

K Kibana

*Apparently, I'm an
ELKB personality.*







elastic stack





elastic

Developer 🥑

DISCLAIMER

I build **highly** monitored Hello World
apps





XERAA.WTF

Your requests

UPTIME

Heartbeat: ICMP, TCP, HTTP(S)

LOGS

Filebeat: structured, enriched

NETWORK

Packetbeat: TCP/IP, HTTP, MySQL, TLS

METRICS

Metricbeat: host, apps (heap usage)

SECURITY

Auditbeat: users, systems, executions

APM / TRACING

Java, Node.js, Python, Ruby, Go, .NET

APM Real User Monitoring (RUM)

```
import { init as initApm } from '@elastic/apm-rum'  
const apm = initApm({  
  serviceName: 'my-app',  
  serverUrl: 'http://apm-server.com:8200',  
  serviceVersion: '1.0'  
})  
</script>
```




MORE





Name

Heap

Select an Index

metricbeat-*

Broad searches can be done by adding * to your query

Select a time field

@timestamp

Run this water

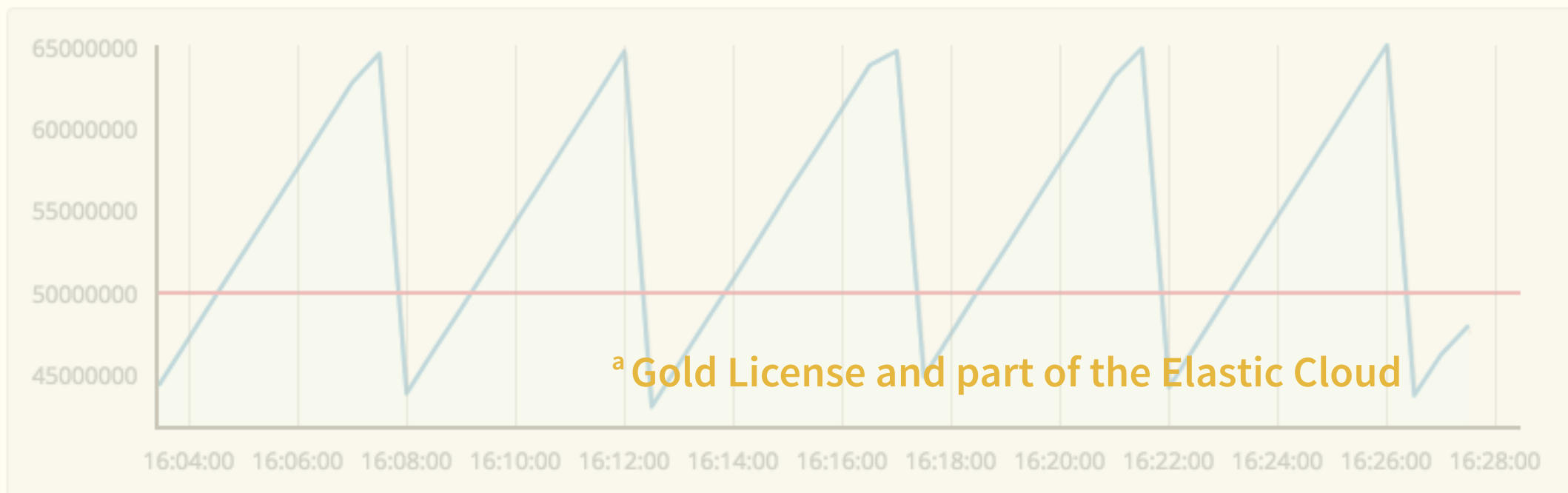
1

Matching the following condition

WHEN max() OF jolokia.metrics.memory.heap_usage.used GROUPED OVER top 5 'beatname' IS ABOVE 50000000 FOR THE LAST 5 minutes

Alerting^a

beat.name (1 of 3): frontend.xeraa.wtf



^a Gold License and part of the Elastic Cloud

Name

Heap

Select an Index

metricbeat-*

Select a time field

@timestamp

Run this water

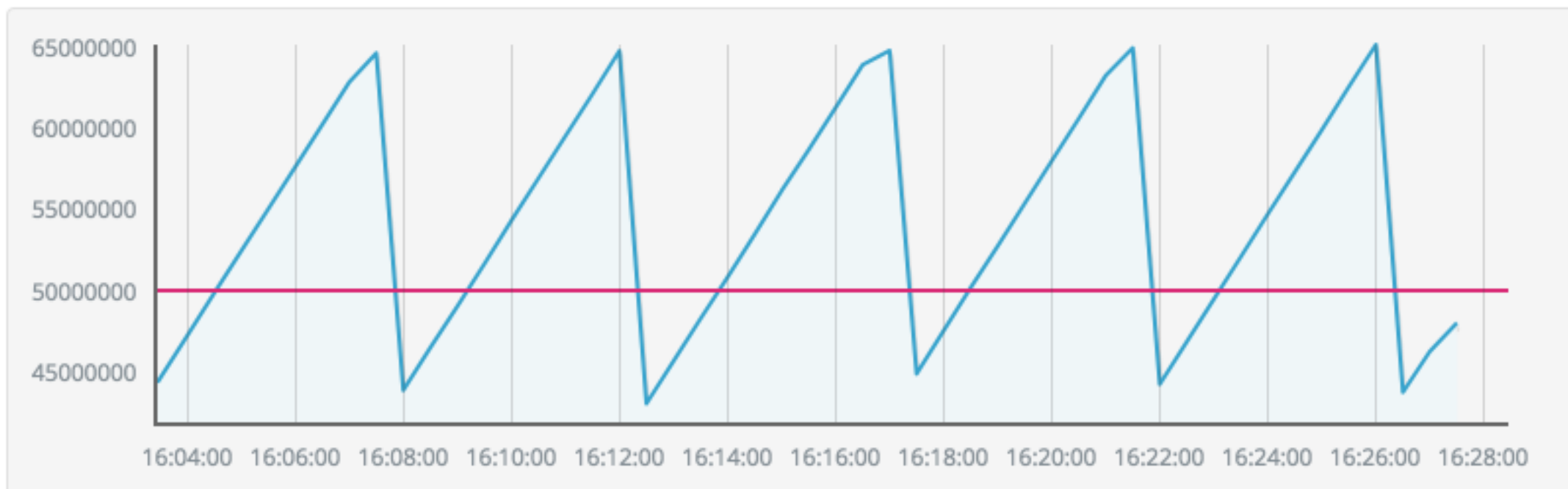
1

Broad searches can be done by adding * to your query

Matching the following condition

WHEN max() OF jolokia.metrics.memory.heap_usage.used GROUPED OVER top 5 'beat.name' IS ABOVE 50000000 FOR THE LAST 5 minutes

beat.name (1 of 3): frontend.xeraa.wtf

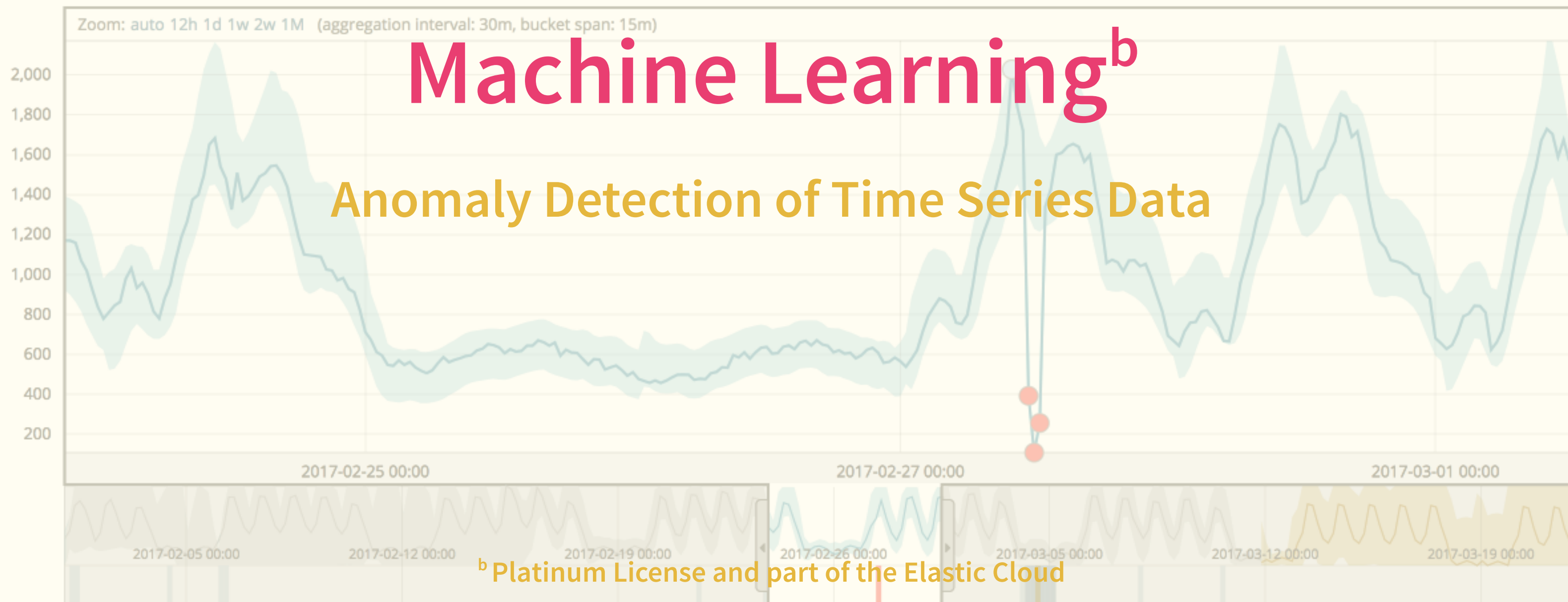


Job nginx-single

Detector: distinct_count (nginx.access.remote_ip)

Forecast

Single time series analysis of cardinality nginx.access.remote_ip

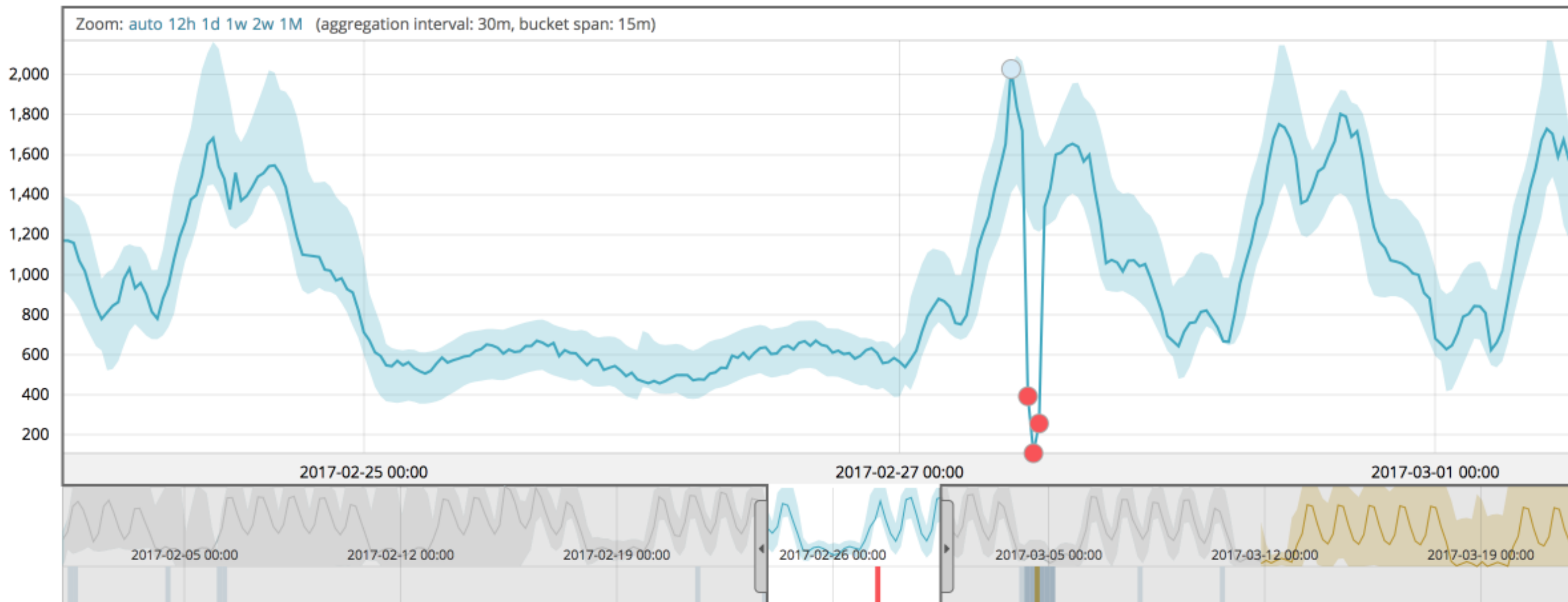
☒ show model bounds

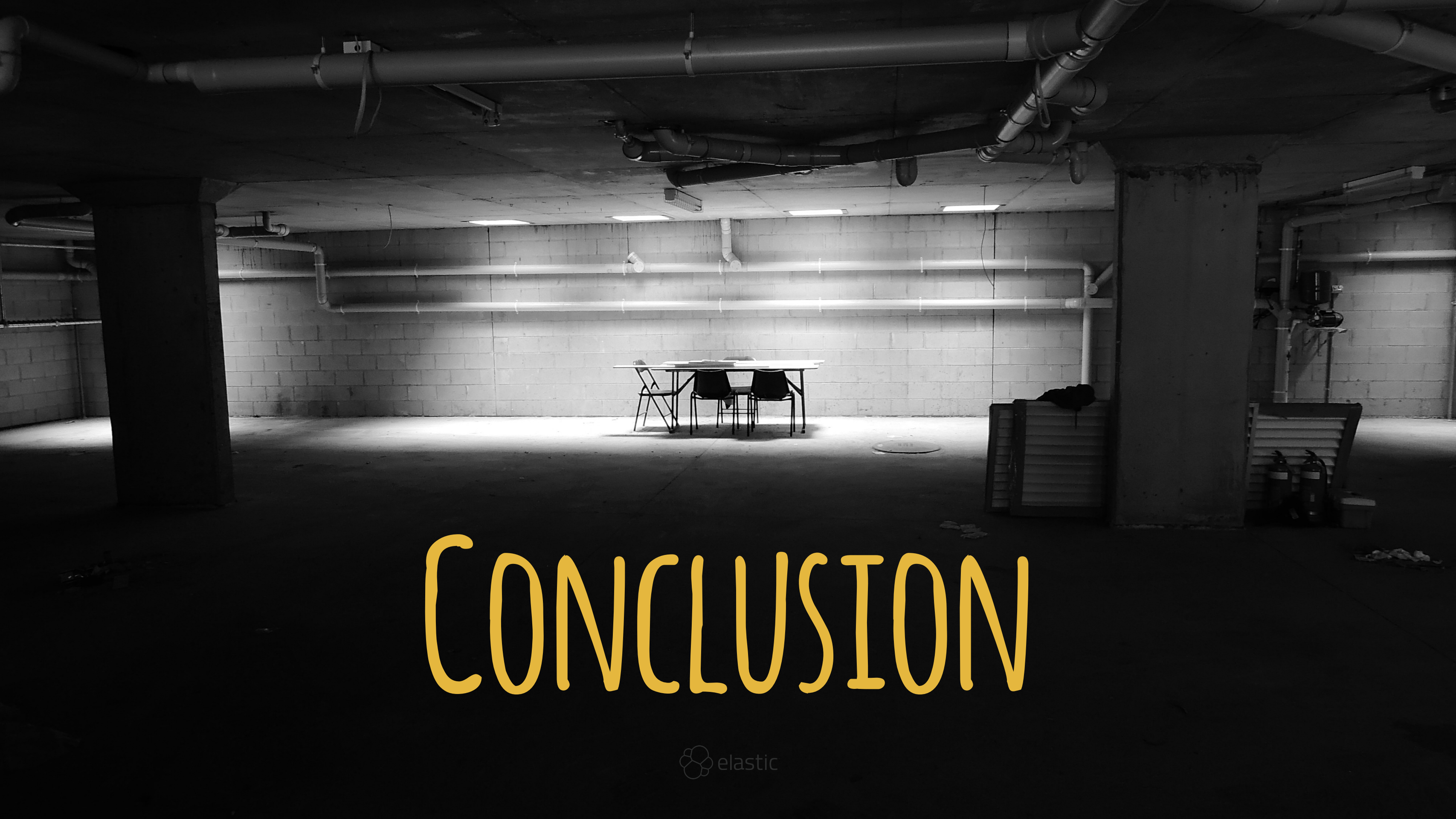
Job nginx-single

Detector: distinct_count (nginx.access.remote_ip)

Forecast

Single time series analysis of cardinality nginx.access.remote_ip

☒ show model bounds

A black and white photograph of a dimly lit, empty room, possibly a basement or storage area. The room features a concrete floor, walls made of cinder blocks, and a ceiling with exposed pipes and fluorescent lighting. In the center of the room, there is a small table with four chairs. To the right, there are some stacked boxes and a fire extinguisher. The word "CONCLUSION" is written in large, bold, yellow, handwritten-style letters across the bottom of the image.

CONCLUSION



FROM



TO



CODE

[https://github.com/xeraa/
microservice-monitoring](https://github.com/xeraa/microservice-monitoring)

QUESTIONS?

Philipp Krenn

@xeraa

PS: Sticker