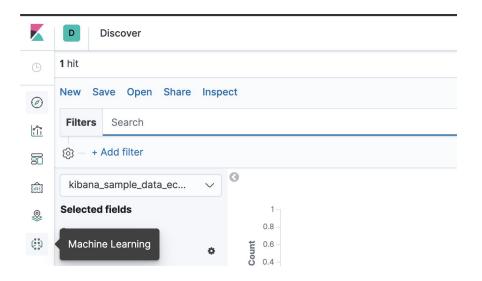
# Elastic SIEM Workshop

# Lab 3 - Detect Anomalies using ML

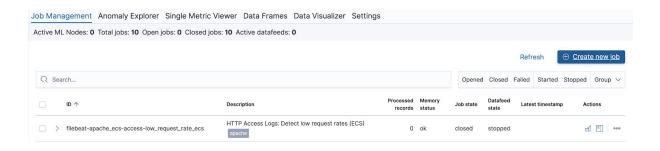
# **HTTP Access Logs: Detect unusual status code rates**

In this lab we are going to create an Elastic ML job to detect unusual status code rates in NGIX logs, leveraging the the 'Sample Web Logs Dataset'.

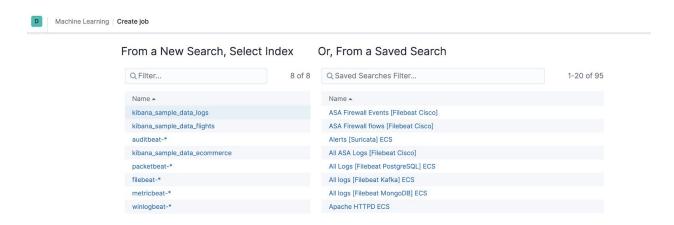
#### 1. Open the Machine Learning App



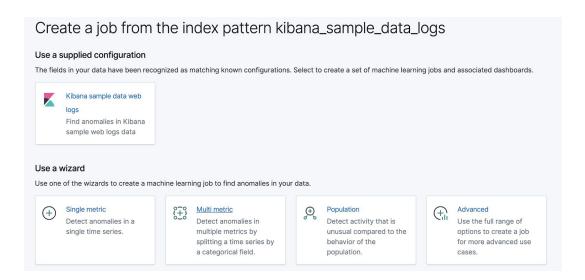
## 2. Click on the "Create New Job" button.



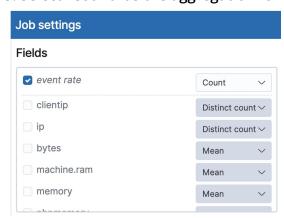
3. Select "kibana\_sample\_data\_logs" as the dataset that the ML job you are creating will use to build the model.



4. Select the "Multi Metric" wizard



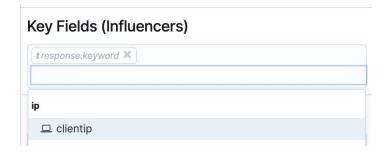
5. Select "Count" as the aggregation for "event rate"



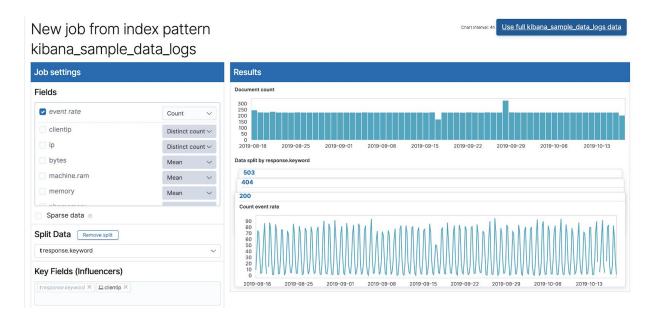
### 5. Split Data as "response.keyword"



#### 6. Add "client ip" as a Key Field (influencers)

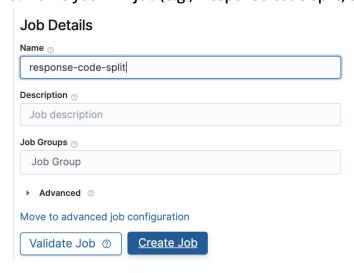


7. Click on "Use full kibana\_sample\_data\_logs\_data" button on the top right.



8. Use 60m as the "Bucket Span"

9. Name your ML job (e.g., "response-code-split) and click on the "Create Job" button.



10. Once the job is created, click on "View Results" to open the "Anomaly Explorer" view.



11. From the "Anomaly Explorer" look at the anomaly with highest severity, related to a client ip with a high rate of 404 requests. What's the client ip in question?

