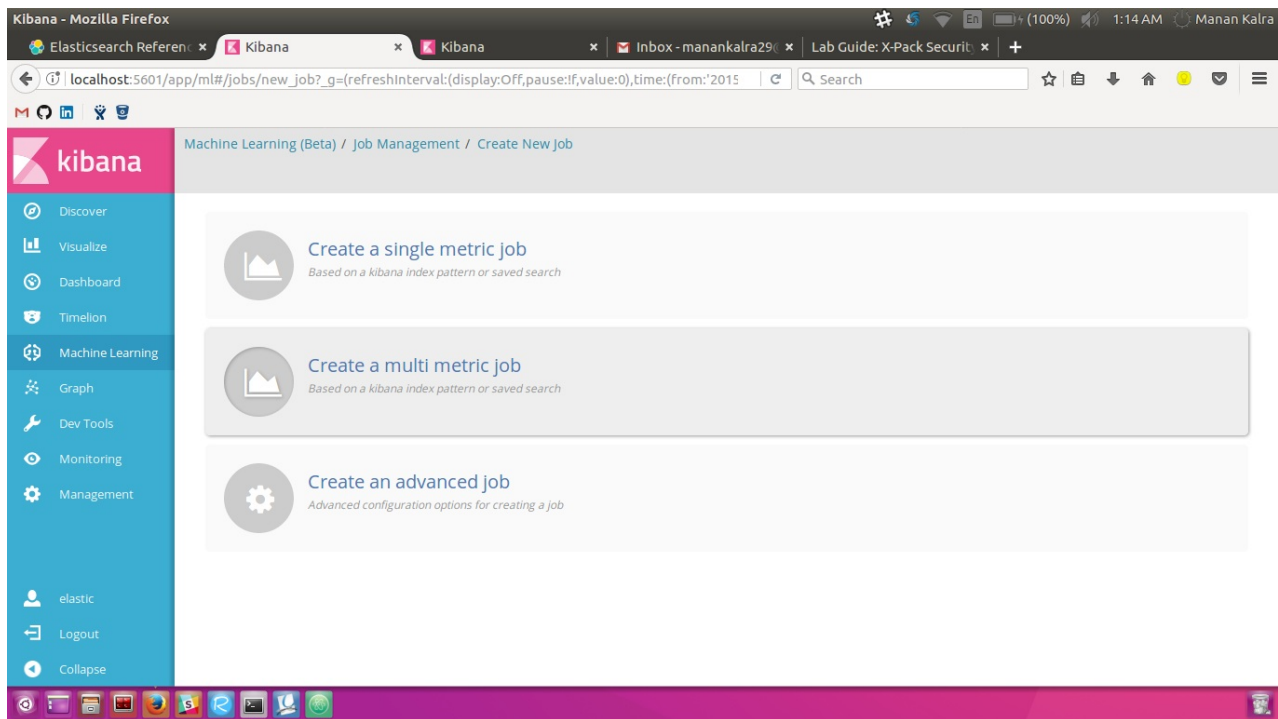


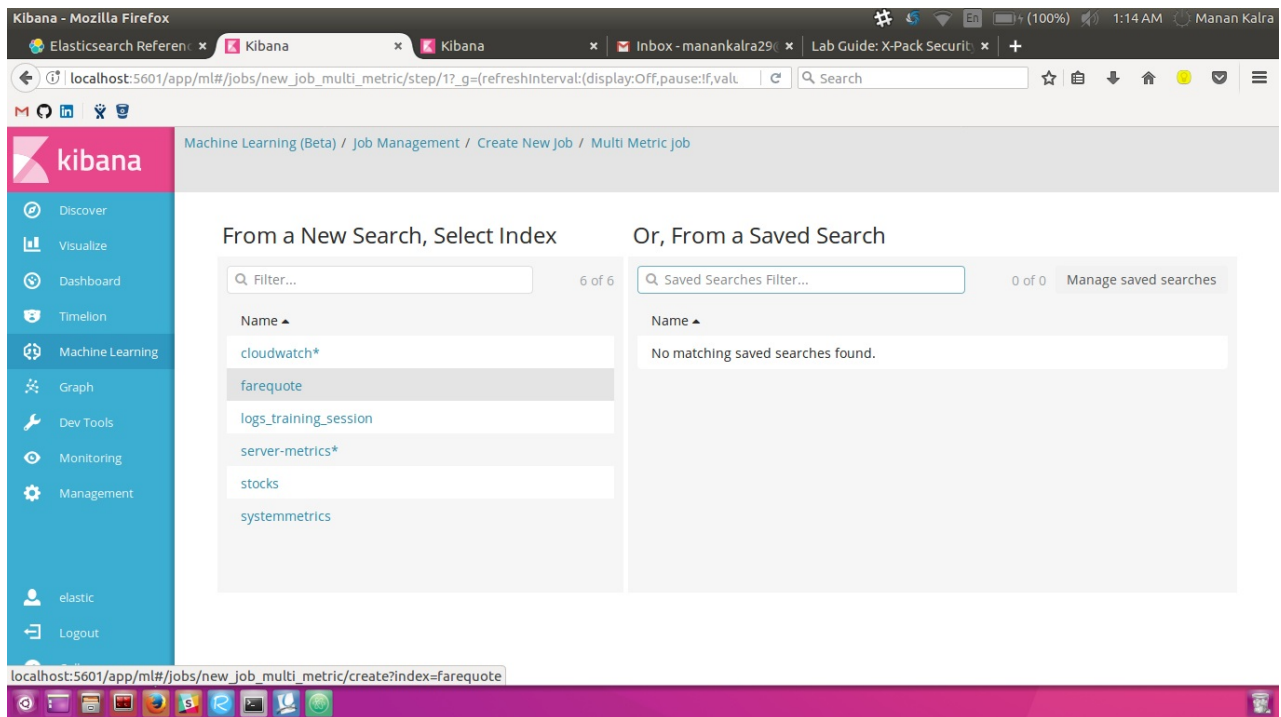


X-Pack: Machine Learning

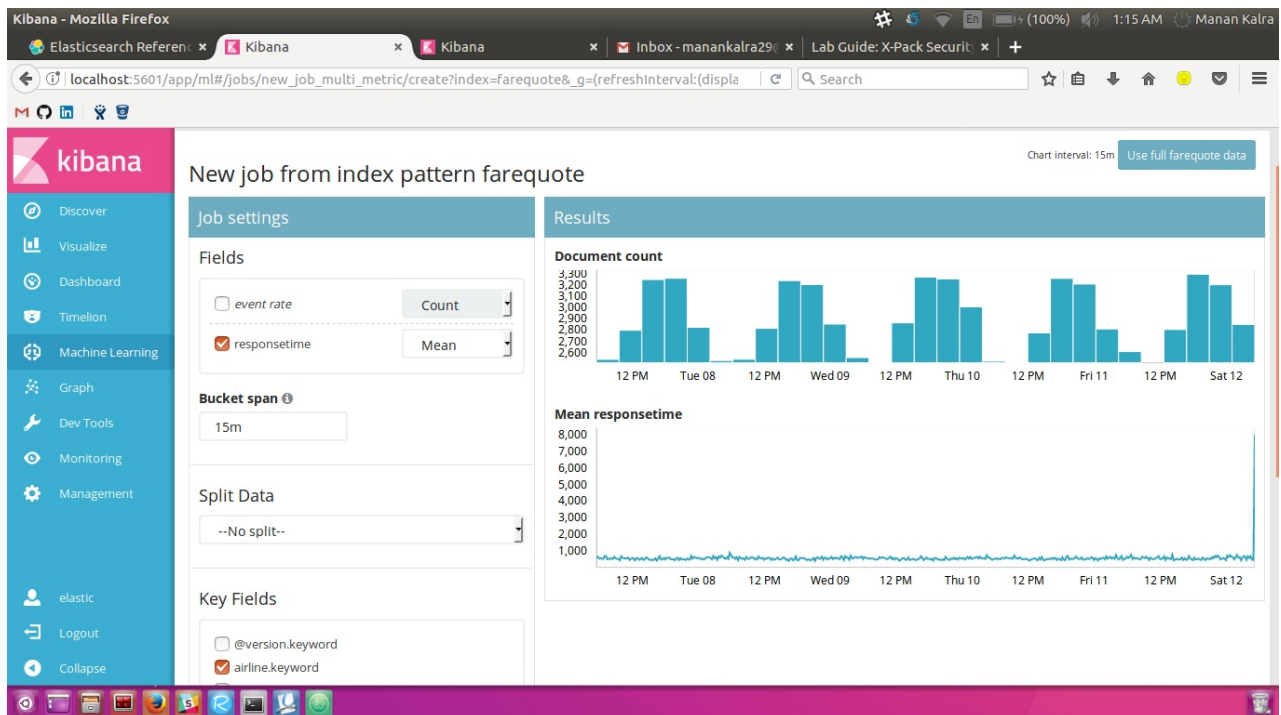
Multi Metric Job Farequote: Airline Data

- Start the Elasticsearch cluster.
- Start Kibana.
- Create an index via Logstash:
 - Redirect to the directory where Logstash is installed.
 - Copy the provided CSV and configuration file to this location.
 - Make changes in the configuration files, if required.
 - Execute `cat farequote.csv | ./bin/logstash/farequote.conf`.
- Create an index pattern in the Management tab of the Kibana console to view the loaded data.
- Click on the *Machine Learning* tab and then on *Create a new job*.
- Select *Multi Metric Job* and choose the *stocks* index.

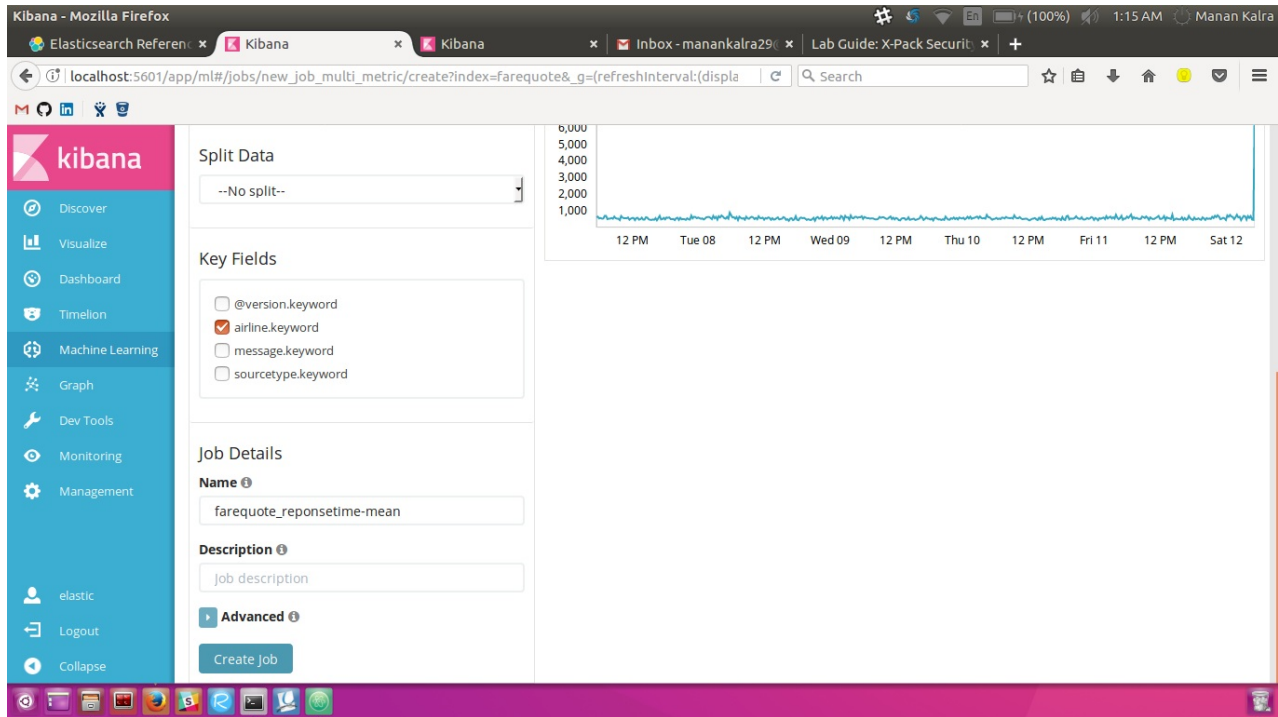




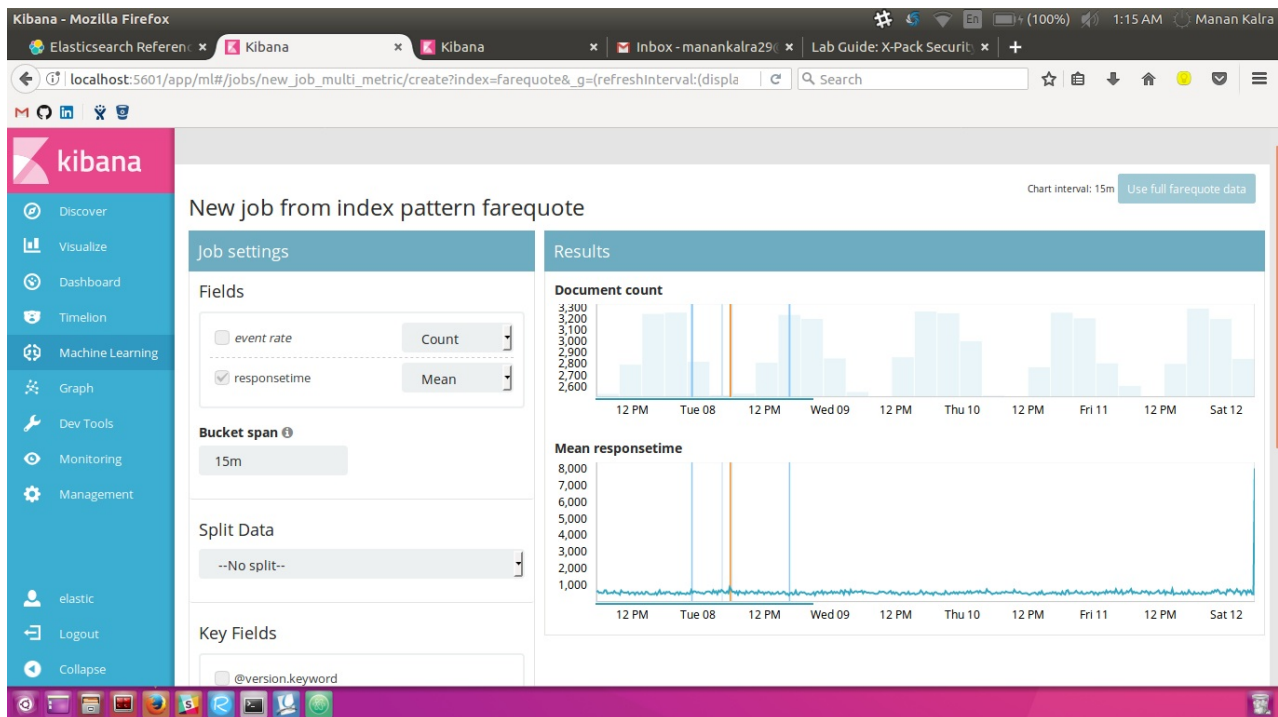
- Click on *Use full farequote data* as the data we are using is static.
- Select the field you want to analyze (responsetime) and a corresponding aggregation, for example: *Mean*.
- Use an appropriate bucket span, for example: 15m.



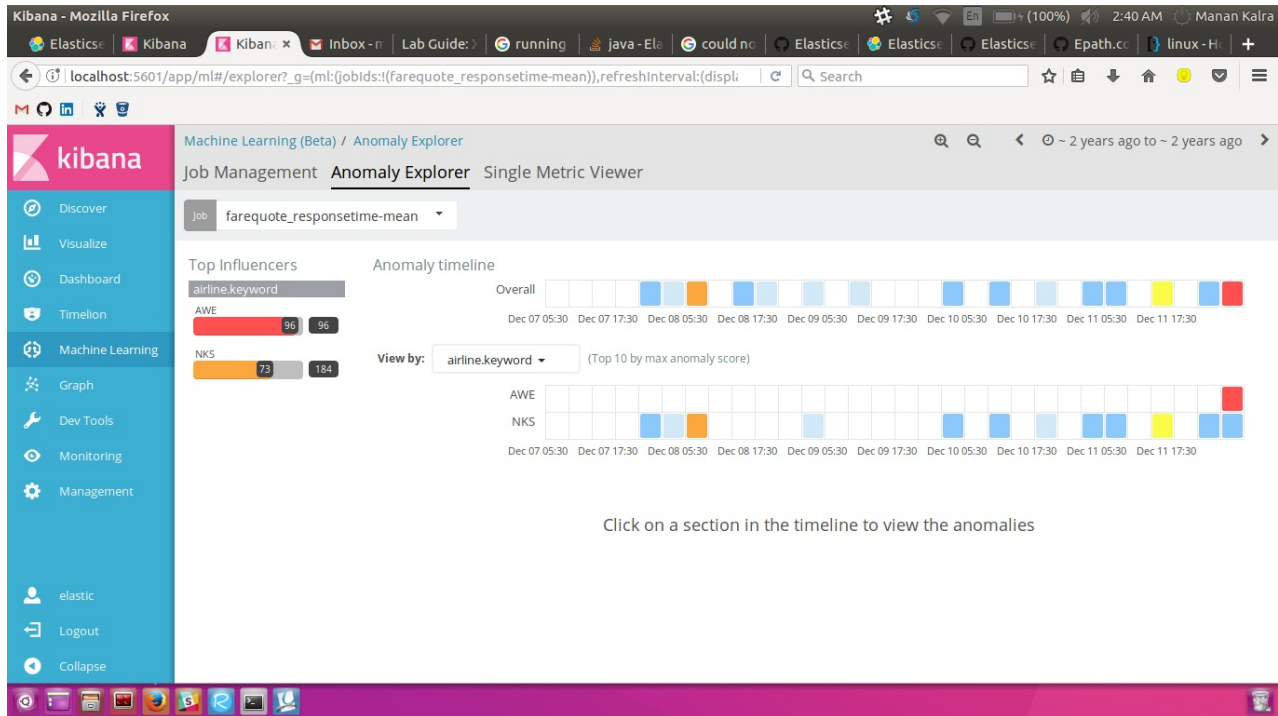
- Select Influencers, which you think can prove to be responsible for an anomaly, for example: *airline.keyword*.
- Give your job a name. You can create a dedicated index for this job under the *Advanced* drop-down, if required.



- Click on *Create Job*.



- To view the results of the analytical task, click on *View Results*.
- Allow pop-ups. Results will appear in the Anomaly Explorer tab. You can even click on a timeline item to view more details.



- The above listed method was a kind of individual analysis. Population analysis is also an option. This can be done by splitting the data on a particular field.

