

1. Visualization:

Three types of visualizations

1. Exploratory: types of visualization you assemble when you do not have a clue about what information lies within your data
2. Explanatory: what happens when you have something specific you want to communicate to an audience
3. Operational: the one type of visualization used for viewing status and identifying anomalies in another system. The type that will keep you from working on weekends.

2. Exploratory visualization?

Goal: understand what is in your data

Need to:

- discover basic characteristics of the dataset in preparation for using it
- understand
 - dimensions available
 - distribution of data in each
 - limits and extreme values
 - data quality and reliability

Elastic stack brings:

- flexible schema: fast and efficient search, grouping and filtering
- tools for data discovery
- flexible data viz.



3. Explanatory visualization?

Goal: Explain your thesis to others

Want to

- Use data to convey info to others

- Present findings in a polished way
- Include annotation and explanatory text
- Tie presentation to the live data and enable drilldowns

Elastic Stack brings

- Data visualization tools
- Dashboard tools to combine multiple visualizations and annotations
- Control and drilldowns
- Ability to show data on a big screen or play a slide show
- Kiosk mode allows viewers limited interaction with the data



4. Operational visualization:

Goal: Understand and monitor systems

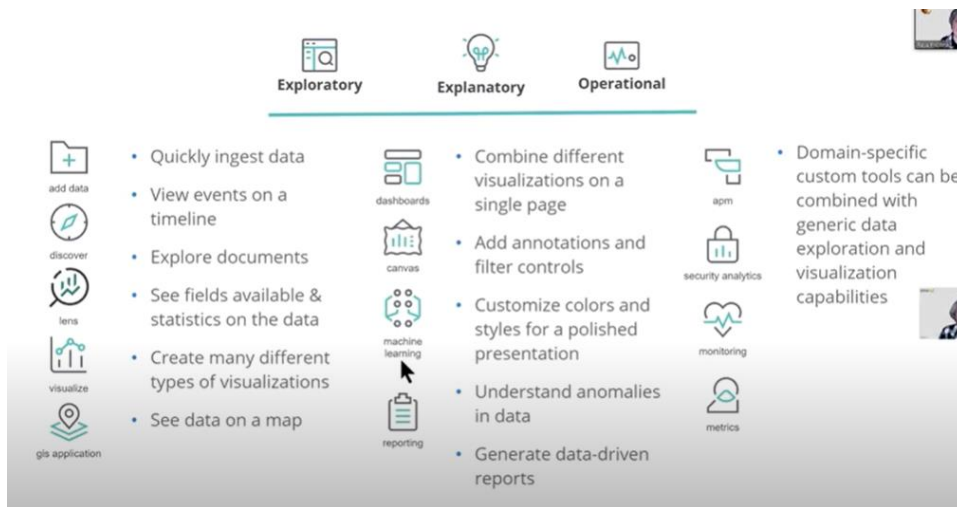
Aim to:

- View regularly, see data in real time
- View key metrics w/ reference to thresholds and limits
- Detect anomalies and trigger alerts
- Compare metrics across time periods or categories
- Receive regular reports

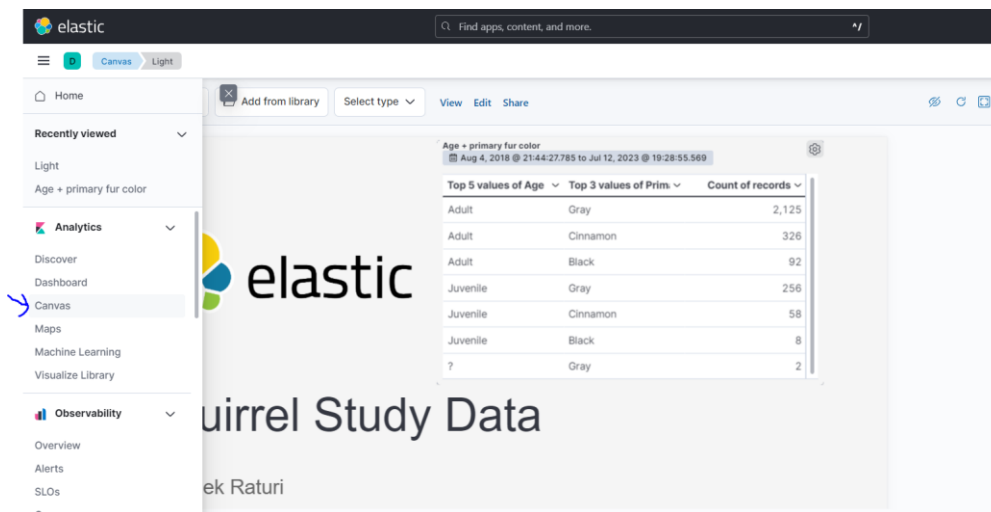
Elastic Stack provides:

- Domain specific views with solutions
- Mix and match capabilities





Canvas: From here you can create a report, presentation which you can export as pdf



Dashboards:

