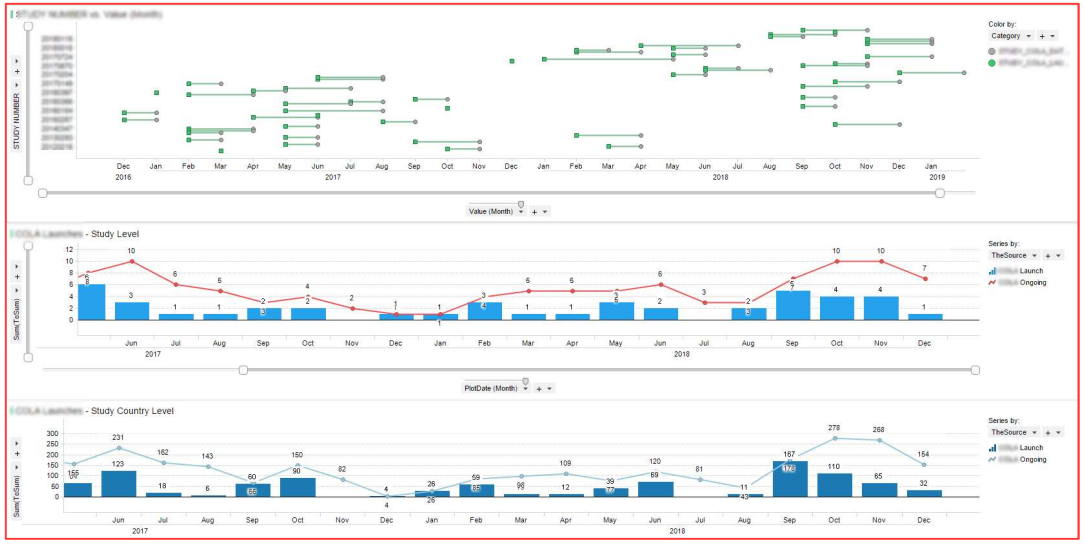
Visualization #1



Business Problem: Leadership was being asked to approve adding new members to a global study process team and needed a way to understand the historical workload of the team. Study level and Country level work efforts are different and therefore need to be measured separately.

My Role: I am the liaison between the business owner of the process, leadership and the report developers. We began with an excel spreadsheet that had been developed by the business and was rows and columns of numbers that they were manually tracking.

My Process: I reviewed the spreadsheet and coupled with my existing understanding of the business processes, developed a list of questions. I met with the business and leadership, both separately and together, to get my questions answered. I typically provide an agenda and pre-read prior to each discussion. I continued to follow up as we began to ask new and better questions and honed in on what leadership was truly interested in understanding as described in the Business Problem above (this is not how the original scope was defined).

I built the original prototype which included this view and another view where the bottom two graphs are combined into a single graph with different left and right axes. The combined graph was too busy and this view, with appropriate filters and detailed data table, was added to their on-demand production reporting.

Reporting Solution: Eliminate manual tracking and leverage data from the system of record for this study process. Develop a view by month that shows:

- Study process duration.
- At both a study level and country level show:
  - The number of study processes launched each month.
  - The number of study processes ongoing each month. Ongoing total for a month should include any study process launches.

Spotfire Challenge: For each process instance the dataset includes only the start and end date. How do we determine the number of ongoing processes each month?

Spotfire Solution:

- Develop IronPython script to build a data table that allows simple sums to be used to calculate ongoing processes.
- Leverage Document Properties and R scripting to trigger the IronPython data table build script each time an individual user opens the report in web player.