What is Analytics?

Business intelligence software allows users to get a clearer picture of what is happening or has happened in their business. Analytics goes one step further by telling customers why certain things are happening, to be able to inform future business decisions.

How can this help me?

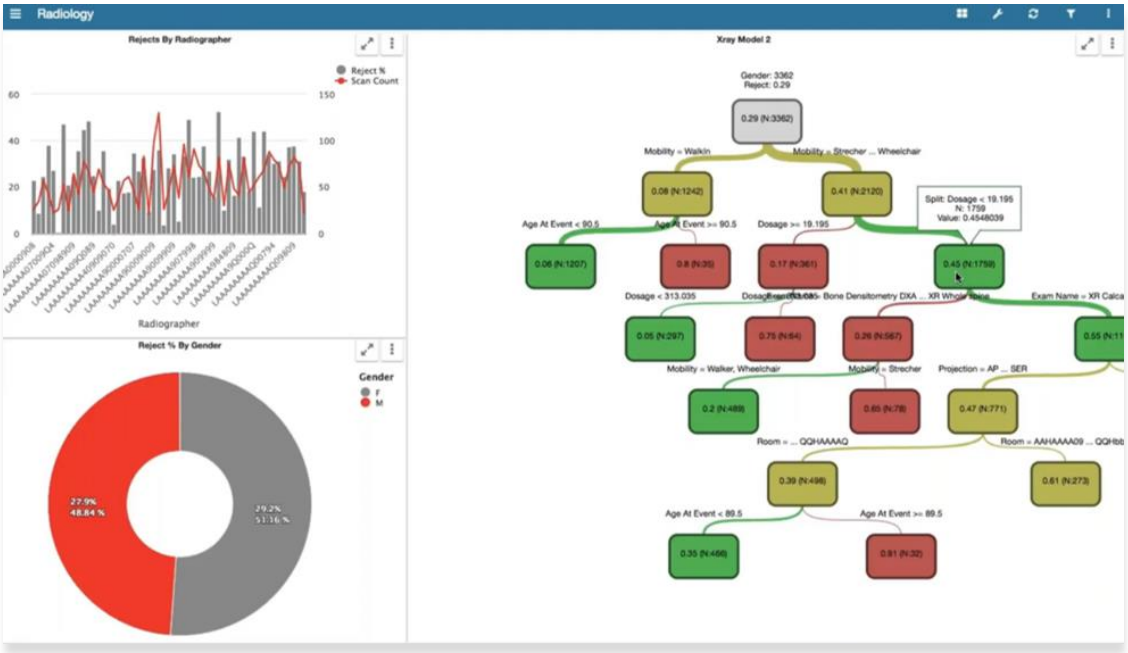
Pi Analytics can help uncover insights in your data that were previously not known. These insights can be used to take actions to improve outcomes.

How does it work?

Pi Analytics is a self-service analytics tool and is designed to allow any chart designer enabled user to build a model using historical data to predict outcomes.

Pi Analytics allows you to build a table containing the data you require. The data set will include the outcome (what we want to measure), and any characteristics which are expected to influence the outcome. You can test as many outcomes and characteristics as you wish against each other very quickly.

We use R as our statistical modelling tool. With Pi Analytics, the steep learning curve of using R has been removed, and the barrier to using these tools has been broken down. The user builds a table (a data frame in R), and we then pass the frame to R. We ask R to build a regression model (decision tree) to predict outcomes using the fields we have supplied. R passes back the calculated decision tree, which we can then show in the dashboard.



How do I implement?

Pi Analytics is a module/feature within our existing Pi dashboard software which can be activated through licensing.

What's next for Pi Analytics?

Our future development includes the capability within Pi Analytics to do automated decisioning. This is known as IFTTT (If This Then That). Put simply it allows you to set criteria which when identified in the data, will then trigger some pre-defined activity or workflow.