Creating R-Based Web Browser Applications Using Alteryx

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Alteryx Analytics is a software platform for data blending, advanced analytics, and application deployment. All three of these capabilities come together in creating web browser applications that allow non-technical users to parameterize and consume the results of a specialized *R* process. Examples of this type of process include applications to generate time series sales forecasts for different items at different locations in a retail store chain, the probability that a patient has a particular disease condition given a set of diagnostic inputs, and the expected number of claims a new customer is likely to have on an automobile insurance policy given their personal characteristics and their residence location in order to determine that customer's policy price. In this presentation, we will illustrate how these types of specific *R*-based use case applications can be created in *Alteryx* and then easily deployed within an organization (or more broadly) for use within a web browser environment via *Alteryx's* Analytics Gallery technology.