Dr. Salamah Interview Summary 0-14

Scopes are design to help the scientist come up with properties that are of interest to them.

Global scope includes all data.

Before R scope is all data before the first reading of a condition happens.

After L is after the first condition happens.

Between L and R is where condition L happens and it must be followed by the condition R.

After L until R is the condition were after L occurs you keep checking for R or until the end of the data.

Dr. Salamah then talked about patterns

Universality: The relation holds across the whole scope. And we do not care what happens before L or after R.

Absence: The relation never holds over the scope.

Existence: If it doesn't happen at least once then it is an anomaly that is a violation.

Response: You use two scopes to find a condition, example: If the temperature reaches 50 then the humidity must be 80%

Dr. Salamah mentioned pattern is more associated with real time and less with scope. Using patterns the scientist can identify expected behavioral conditions. A pattern holds a data set over team. Dr. Salamah stated the idea of combining scope with patterns is for scientist to come up with properties. These patterns will assist scientist to develop questions and to understand what it is being measured. Knowing what to look for, the scientist can model data properties.