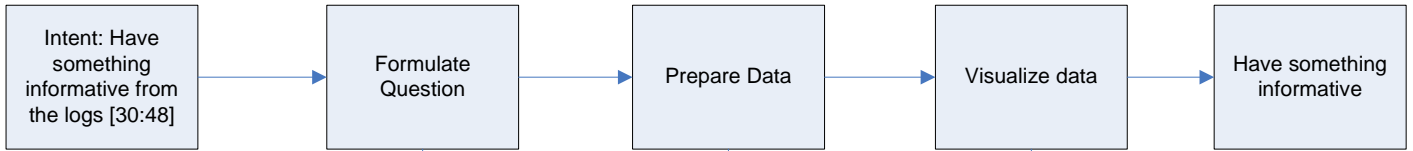


# Researcher



## Formulation

Meet with students to discuss/determine analysis [26:40]

## Prepare Data

Sub-intent: Obtain and prepare data for analysis

Write email to "keeper of the log" to request queries [13:25]

Keeper write and perform queries [17:32]

Keeper replies to email with results [13:29]

Look at results [17:25]

**BREAKDOWN:** This process is time consuming – takes a few days [17:30]

Clarify, refine query [17:25]

Are results what I want? [17:50]

**BREAKDOWN:** Cleaning data is time-consuming [26:22]

Check and verify that data is clean and has no errors [18:00]

## Visualize Data

Sub-Intent: Visualize data to analyze data [18:55]

**BREAKDOWN:** This is difficult to do in EXCEL. [18:59]

User minitab or R or get students to write [21:20]

Aggregate/filter data by categories/concepts [19:10]

Look for patterns in students' behaviour [21:58]

Determine theories based on these behaviors

Students need to analyze [17:45]

**BREAKDOWN:** This may be done quite a few times. [28:30] [30:43]

Students get back to him with graphs

Get back to students

No

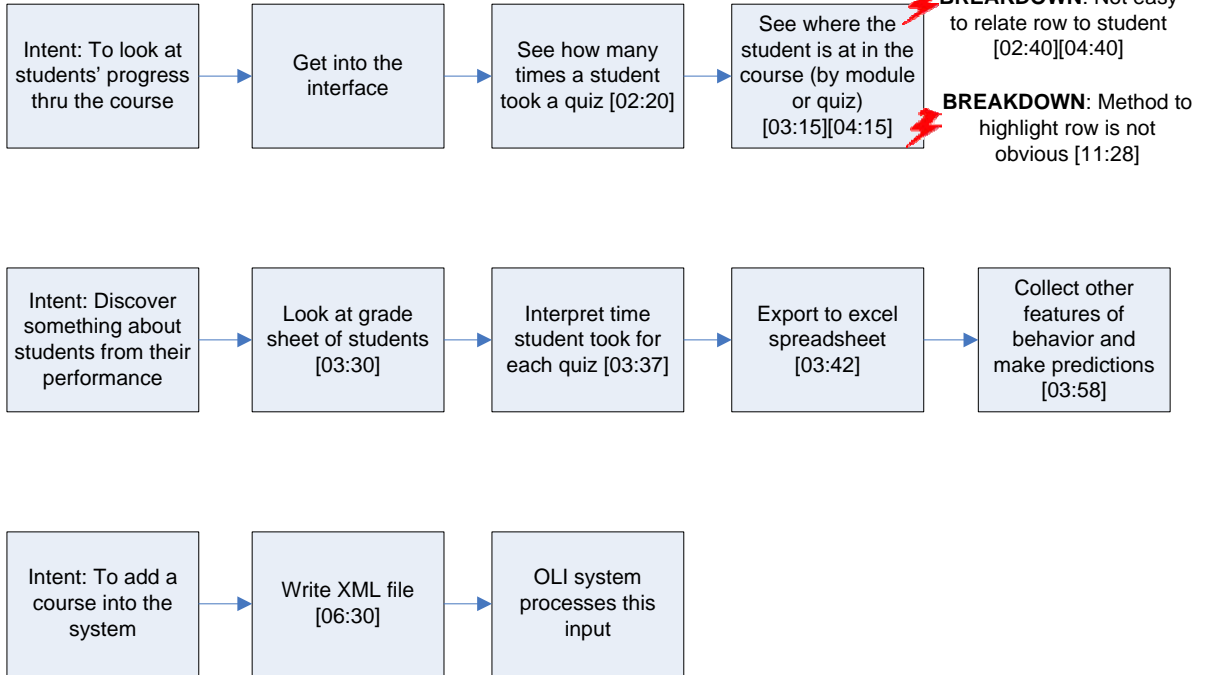
Do I understand graphs?

Yes

Students get data and generate graphs/reports [28:00]

End

## Course/Tutor Developer/Teacher



## Student/Tutor-user

