

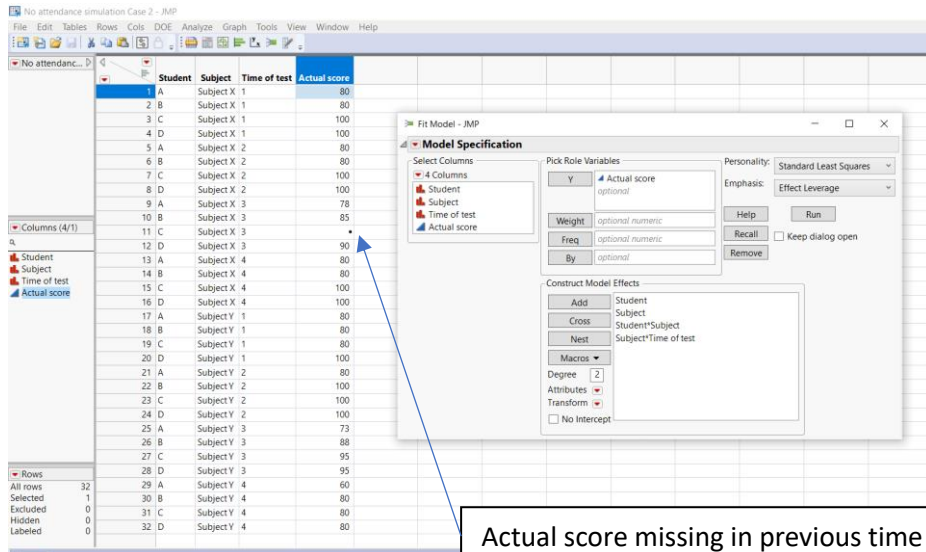
Case 1: When calculating prediction for the current t (t=time) and the absent score is at t time.

The screenshot shows the JMP interface with a data table and a Fit Model dialog box. The data table has columns for Student, Subject, Time of test, and Actual score. The Fit Model dialog box is open, showing the model specification with 'Actual score' as the response variable and 'Student', 'Subject', and 'Time of test' as predictors. A blue arrow points from a text box 'Actual score missing' to the 'Actual score' column in the data table, specifically to the value 85 in row 11.

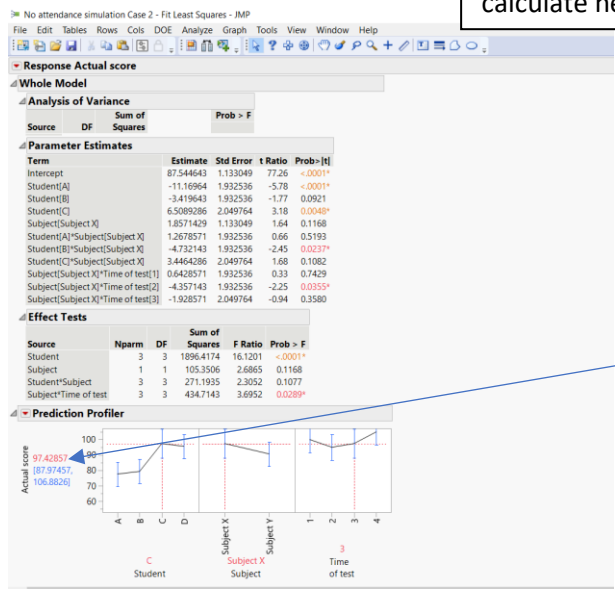
The screenshot shows the Results window in JMP. The window displays the Analysis of Variance, Parameter Estimates, and Effect Tests. The Prediction Profiler is also visible, showing a line graph of Actual score versus Time of test. A blue arrow points from the text box 'Although the actual score is missing, the prediction is calculated by ANOVA during time of test, t=3. How the missing data is treated to enable this calculation? E.g., missing data is replaced with the mean of previous data, etc.' to the Prediction Profiler graph.

Although the actual score is missing, the prediction is calculated by ANOVA during time of test, t=3. How the missing data is treated to enable this calculation? E.g., missing data is replaced with the mean of previous data, etc.

Case 2: When calculating prediction for the next t (t=time) and the absent score is during previous t.



Actual score missing in previous time (t=3). Now to calculate new data at t=4



Although the actual score is missing in the previous time of test (t=3), the prediction still can be calculated for time t=4, and there is also prediction for t=3, but not the same with value in Case 1. How the missing data is treated to enable the calculation? E.g., using the previous time prediction score as to replace missing data, etc.