

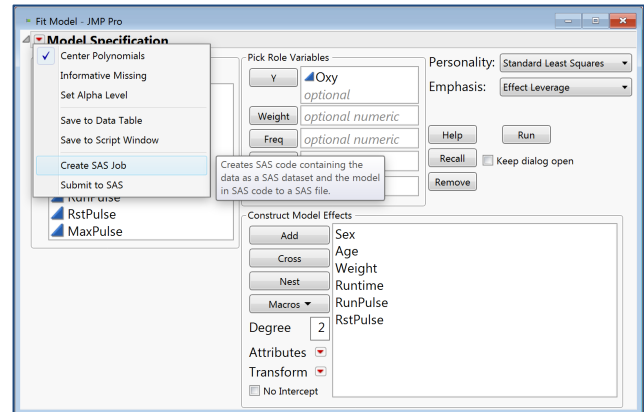
# Using JMP® to Generate SAS® Programs

Automatically generate SAS programs using the JMP Fit Model and Time Series (ARIMA or Seasonal ARIMA) platforms. SAS scoring code can also be generated from the Partition and Neural platforms (not covered here).

## Using JMP to Generate SAS Programs

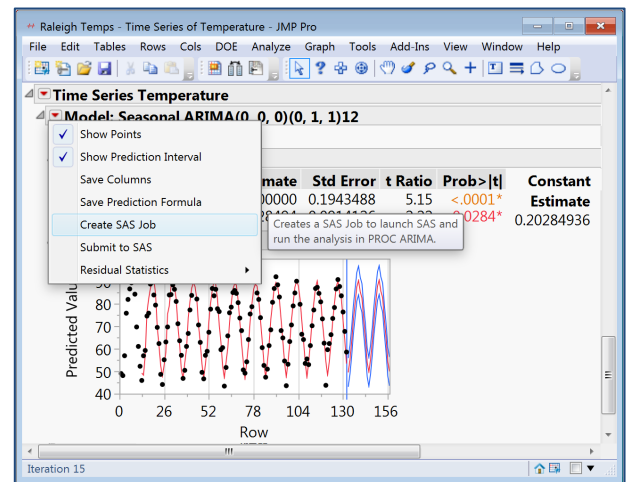
To generate SAS programs with the Fit Model platform:

- From an open data table select **Analyze > Fit Model**.
- Specify a model: Select your response (Y) and predictors (**Model Effects**).
- Specify the type of model under **Personality**.
- Click on the **top red triangle** and select **Create SAS Job** (see resulting code, bottom right).
- Note: Will only produce simple PROC GLM, PROC Logistic, PROC GENMOD or PROC Mixed code.



To create SAS code for ARIMA models from within the Time Series platform:

- From an open a data table select **Analyze > Specialized Modeling > Time Series**.
- Select the Y, **Time Series** column and columns for other roles (if needed), and click **OK**.
- Click on the **red triangle** and select **ARIMA** or **Seasonal ARIMA**. Specify the model, and click **Estimate**.
- Click on the **red triangle** for the model and select **Create SAS Job**.



JMP generates the SAS code for the specified model in a new SAS Program Editor window. To submit code to SAS, right-click and select **Submit to SAS**.

Notes:

- To submit SAS code, JMP must be connected to SAS. For information on connecting to SAS, either locally or on a server, see the page **Using SAS from JMP**.
- For more information on using SAS with JMP, search for "SAS integration" in the JMP Help.
- For more information on using the Fit Model or Time Series platforms, visit **Fitting Linear Models and Predictive and Specialized Models** in JMP Help.

```
DATA Fitness; INPUT Sex $& Age Weight Oxy Runtime RunPulse RstPulse; Lines;
F 42 68.15 59.571 8.17 166 40
F 38 81.87 60.055 8.63 170 48
F 43 85.84 54.297 8.65 156 45
F 50 70.87 54.625 8.92 146 48
M 49 81.42 49.156 8.95 180 44
M 38 89.02 49.874 9.22 178 55
F 49 76.32 48.673 9.4 186 56
F 52 76.32 45.441 9.63 164 48
F 57 59.08 50.545 9.93 148 49
F 51 77.91 46.672 10 162 48
M 40 75.07 45.313 10.07 185 62
F 49 73.37 50.388 10.08 168 67
F 44 73.03 50.541 10.13 168 45
M 48 91.63 46.774 10.25 162 48
M 54 83.12 51.855 10.33 166 50
F 52 73.71 45.79 10.47 186 59
M 52 82.78 47.467 10.5 170 53
F 47 79.15 47.273 10.6 162 47
M 43 81.19 49.091 10.85 162 64
M 51 69.63 40.836 10.95 168 57
F 51 67.25 45.118 11.08 172 48
F 45 66.45 44.754 11.12 176 51
M 54 79.38 46.08 11.17 156 62
M 44 89.47 44.609 11.37 178 62
F 48 61.24 47.92 11.5 170 52
M 47 77.45 44.811 11.63 176 58
F 40 75.98 45.681 11.95 176 70
M 57 73.37 39.407 12.63 174 58
M 54 91.63 39.203 12.88 168 44
M 44 81.42 39.442 13.08 174 63
M 45 87.66 37.388 14.03 186 56
;
RUN;
PROC GLM DATA=Fitness ALPHA=0.05;
CLASS Sex;
MODEL Oxy = Sex Age Weight Runtime RunPulse RstPulse;
RUN;
```