

## **Practices**

Extract the Excel files from the **Excel Import Practice.zip** file and use them in the following Practices.

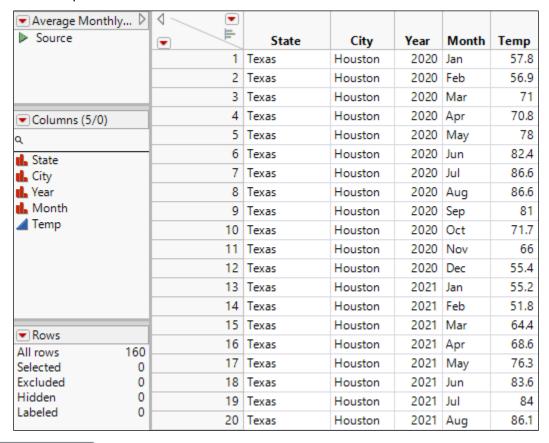
1. Import the data from the file Practice 1.xls into JMP. Your table should look like the following screen capture when finished.

▼ Tank Process Co.	▷											
▶ Source		<b>₽</b>	Date	T1	PH1	T2	PH2	T3	PH3	T4	PH4	Initials
		1	10Aug2019 8:00 AM	35.9	7.04	35.9	7.03	36.2	7.08	35.8	7.06	DM
		2	10Aug2019 12:00 PM	36	6.98	36	7.03	35.8	6.96	36.1	6.98	DO
▼ Columns (10/0)		3	10Aug2019 4:00 PM	36.1	7	35.8	6.99	36	7.01	36.3	7.07	DO
Q		4	10Aug2019 8:00 PM	35.7	6.99	35.9	7.04	36.2	7.02	36.1	6.96	DM
✓ Date ✓ T1	5	11Aug2019 12:00 AM	35.9	7	35.8	6.92	36.3	7.01	36.1	7.02	DM	
	6	11Aug2019 4:00 AM	36.3	6.97	36.1	7.05	35.9	7.07	36.4	7.02	LT	
PH1 T2 PH2 T3 PH3 T4 PH4 Initials		7	11Aug2019 8:00 AM	360	7.1	35.7	6.95	36.1	7.03	36	6.95	MB
		8	11Aug2019 12:00 PM	35.9	6.96	35.5	7	36	6.97	36.2	7.02	LT
		9	11Aug2019 4:00 PM	35.7	7.05	36.2	6.99	36.2	6.92	35.8	6.99	DO
		10	11Aug2019 8:00 PM	36.2	6.97	36.1	7	35.9	7.04	36.2	7.03	MB
		11	12Aug2019 12:00 AM	36.1	7	36.2	7.07	35.6	700	35.7	7.02	MB
		12	12Aug2019 4:00 AM	36.1	6.97	36.1	7.05	36.2	6.94	35.9	7.05	DO
		13	12Aug2019 8:00 AM	35.9	6.95	35.6	7.01	35.8	6.99	36	6.96	LT
		14	12Aug2019 12:00 PM	35.5	7.07	35.7	7.03	36.3	6.98	36	7	MB
Rows All rows 73 Selected 0 Excluded 0 Hidden 0 Labeled 0		15	12Aug2019 4:00 PM	36	7.01	35.8	7.02	35.9	6.99	35.8	7.06	DO
		16	12Aug2019 8:00 PM	36.2	6.98	35.9	6.98	36	7.03	36.1	6.98	LT
		17	13Aug2019 12:00 AM	359	7.01	35.9	7.04	36.3	6.95	36.3	6.97	MB
		18	13Aug2019 4:00 AM	35.6	6.99	35.7	6.99	36	6.99	36	7.06	LT
	0	19	13Aug2019 8:00 AM	35.9	7.06	36.1	7	35.9	6.95	36	6.93	DO
		20	13Aug2019 12:00 PM	36.3	7.03	35.7	6.93	36	6.96	36.1	7.12	LT

2. Import the data from the file Practice 2.xls into JMP. Your table should look like the following screen capture when finished.

▼ Practice 2	4 🔻						
▶ Source	<b>₽</b>	Tank	Date	D1	D2	D3	Initials
	1	1	10Aug2019 7:00 AM	238127.7641	377828.508	196823.6007	LT
	2	1	10Aug2019 7:00 PM	289276.9745	317880.357	335965.6909	MB
	3	1	11Aug20197:00 AM	332327.579	321366.7393	355721.5192	DO
▼ Columns (6/0)	4	1	11Aug2019 7:00 PM	515332,4079	395323.3088	374406.4314	DM
Q	5	1	12Aug20197:00 AM	683111.5694	490968.5544	610545.2195	MB
<b>i⊾</b> Tank	6	1	12Aug2019 7:00 PM	693568.7078	551841.9702	518414.1774	DM
■ Date	7	1	13Aug20197:00 AM	596197.3245	678797.4192	630260.7427	DM
▲ D1	8	1	13Aug2019 7:00 PM	832199.1278	880758.0787	866918.0848	DO
■ D2 ■ D3	9	1	14Aug2019 7:00 AM	953643,4638	965867,4602	1191388.682	MB
Initials	10	1	14Aug2019 7:00 PM	1172407.229	1075174.988	1419080.623	LT
	11	1	15Aug2019 7:00 AM	1210872.948	1496909.216	1309052.784	LT
	12	1	15Aug2019 7:00 PM	1959826.493	1657192.124	1830677.836	DO
	13	1	16Aug2019 7:00 AM	1901514.601	1527721.35	1885324.787	MB
	14	1	16Aug2019 7:00 PM	2555451.295	3163936.914	2266192.428	DO
Rows	15	1	17Aug20197:00 AM	2355619.25	2885527.383	2974071.217	DO
All rows 100	16	1	17Aug2019 7:00 PM	3380470.015	4136865.145	2874023.251	DM
Selected 25	17	1	18Aug2019 7:00 AM	3791315.485	3891052.966	3025639.542	DM
Excluded 0	18	1	18Aug2019 7:00 PM	4256703.594	3752615.288	5131824.293	DM
Hidden 0 Labeled 0	19	1	19Aug2019 7:00 AM	5783728.856	5083131.51	5134539.639	DO
Labeled 0	20	1	19Aug2019 7:00 PM	6395296.13	8287460.45	7009250.475	LT

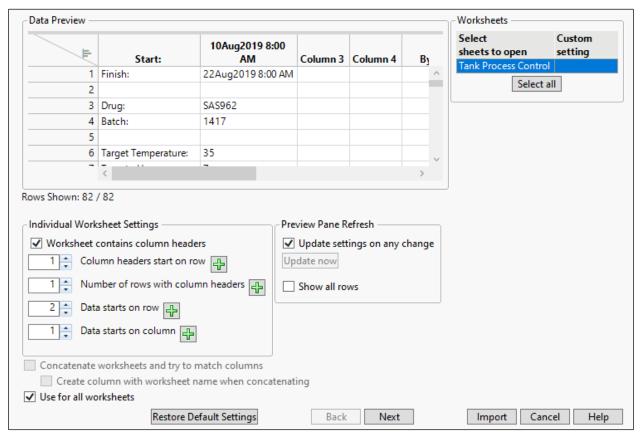
3. Import the data from the file Practice 3.xls into JMP. Your table should look like the following screen capture when finished.



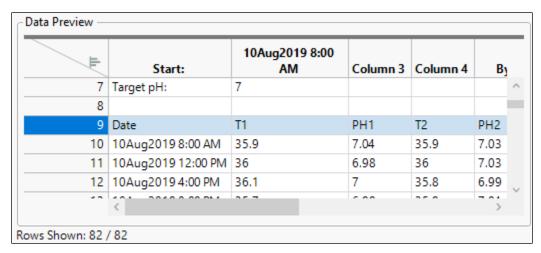
**End of Practices** 

## **Solutions**

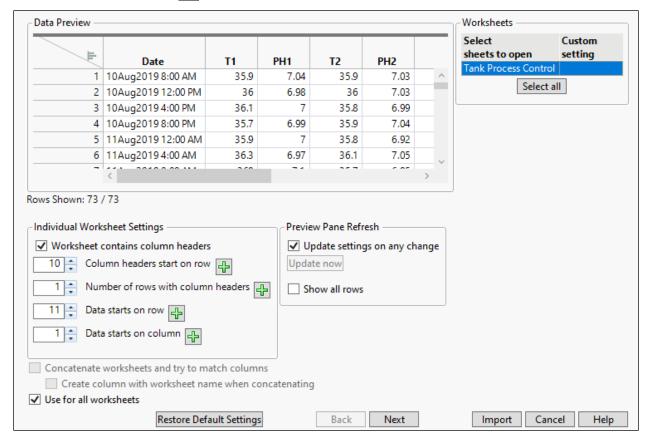
- 1. Import the data from the file Practice 1.xlsx into JMP.
  - a. Select File > Open.
  - **b.** If needed, change the file type to Data Files or All Files.
  - c. Select Practice 1.xlsx.
  - d. Click Open.
  - e. Click Restore Default Settings.



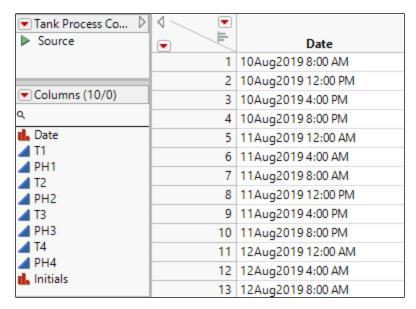
**f.** In the Data Preview panel, scroll down, then select row 9.



g. Click the green plus button 🔂 next to Column headers start on row.

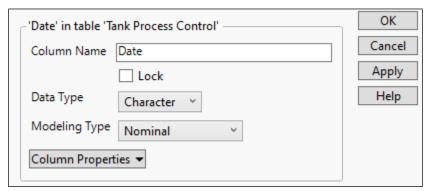


- h. Click Import.
- i. Widen the Date column.

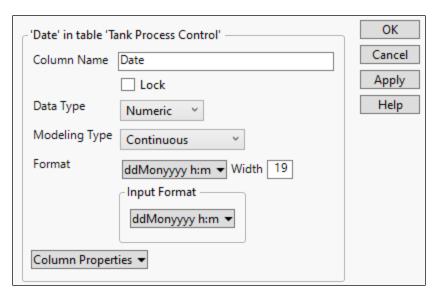


The **Date** column format looks acceptable, but the column has been imported with a Character data type and Nominal modeling type. Change to Numeric, Continuous.

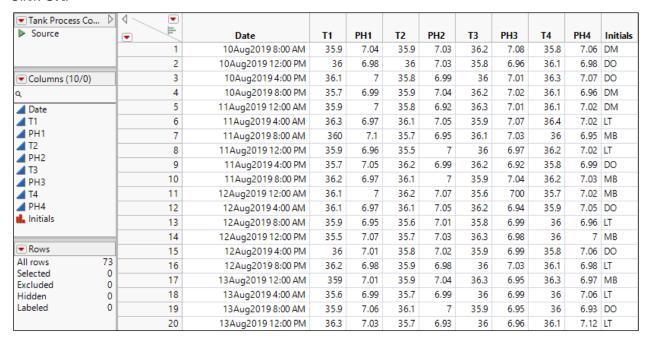
**j.** Right-click the top of the **Date** column and select **Column Info**.



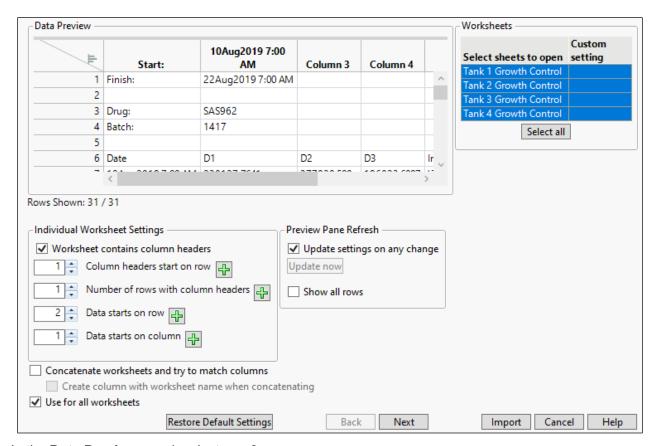
- k. Change the **Data Type** to **Numeric**.
- 1. Change the Modeling Type to Continuous.
- m. Under Format, click Best, then select Time > ddMonyyyy h:m.



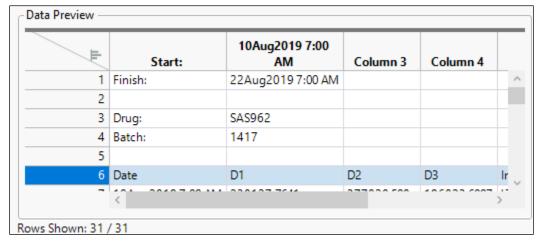
## n. Click OK.



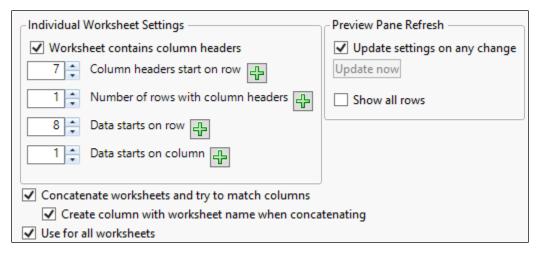
- 2. Import the data from the file Practice 2.xlsx into JMP.
  - a. Select File > Open.
  - b. If needed, change the file type to Data Files or All Files.
  - c. Select Practice 2.xlsx.
  - d. Click Open.
  - e. Click Restore Default Settings.



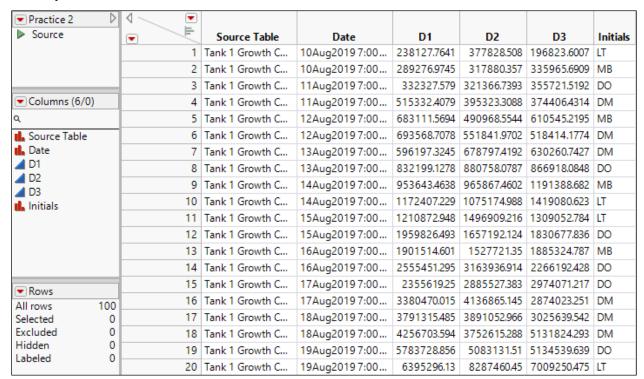
f. In the **Data Preview** panel, select row 6.



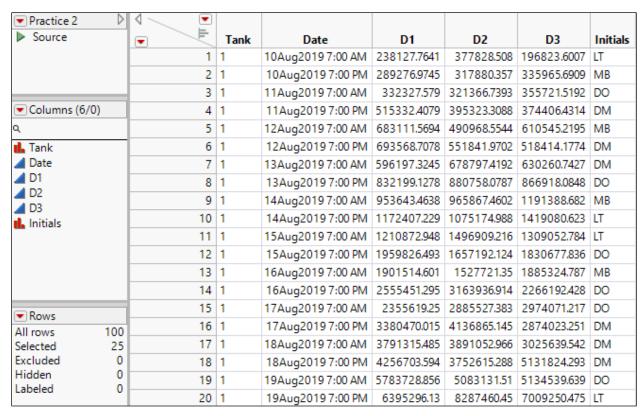
- g. Click the green plus button prext to Column headers start on row.
- h. Select both checkboxes Concatenate worksheets and try to match columns and Create column with worksheet name when concatenating.



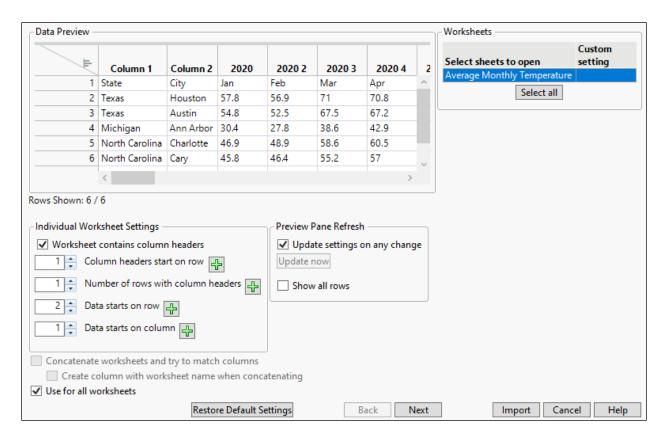
## i. Click Import.



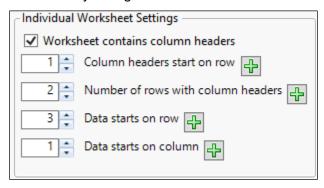
- j. Change the name of the Source Table column to Tank.
- k. Recode the **Tank** column to the values 1, 2, 3, and 4.
- Change the data type of the Date column to Numeric.
- m. Change the modeling type of the **Date** column to **Continuous**.
- n. Change the format of the **Date** column to **ddMonyyyy h:m**.



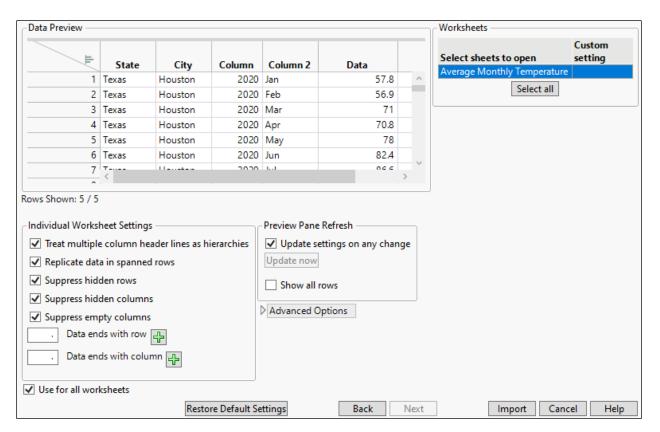
- 3. Import the data from the file Practice 3.xlsx into JMP.
  - a. Select File > Open.
  - b. If needed, change the file type to Data Files or All Files.
  - c. Select Practice 3.xlsx.
  - d. Click Open.
  - e. Click Restore Default Settings.



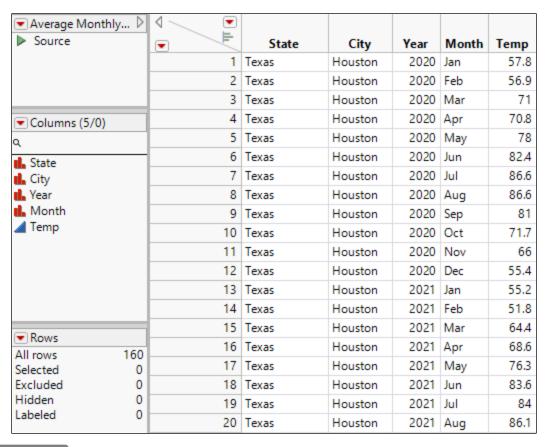
f. Change the Number of rows with column headers to 2. Note that Data starts on row automatically changes to 3.



- g. Click Next.
- h. Select Treat multiple column header lines as hierarchies.



- i. Click Import.
- j. Change the name of Column to Year.
- k. Change the name of Column 2 to Month.
- I. Change the name of **Data** to **Temp**.



End of Solutions