These hands-on activities allow you to practice importing data from Excel into JMP using the Excel Import Wizard. Extract the data in **Excel Import Hands-on Activity.zip** for use in the following activities. The solutions follow the instructions for these activities.

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 ▷	۹ 🔍 💽										
Source	. F	Date	T1	PH1	T2	PH2	Т3	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	10Aug20194:00 PM	36.1	7	35.8	6.99	36	7.01	36.3	7.07	DO
م	4	10Aug2019 8:00 PM	35.7	6.99	35.9	7.04	36.2	7.02	36.1	6.96	DM
⊿ Date	5	11Aug2019 12:00 AM	35.9	7	35.8	6.92	36.3	7.01	36.1	7.02	DM
📕 T1	6	11Aug2019 4:00 AM	36.3	6.97	36.1	7.05	35.9	7.07	36.4	7.02	LT
PH1	7	11Aug2019 8:00 AM	360	7.1	35.7	6.95	36.1	7.03	36	6.95	MB
▲ T2	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
PH3	10	11Aug2019 8:00 PM	36.2	6.97	36.1	7	35.9	7.04	36.2	7.03	MB
🖌 T4	11	12Aug2019 12:00 AM	36.1	7	36.2	7.07	35.6	700	35.7	7.02	MB
🚄 PH4	12	12Aug20194:00 AM	36.1	6.97	36.1	7.05	36.2	6.94	35.9	7.05	DO
📕 Initials	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	15	12Aug2019 4:00 PM	36	7.01	35.8	7.02	35.9	6.99	35.8	7.06	DO
All rows 73	16	12Aug2019 8:00 PM	36.2	6.98	35.9	6.98	36	7.03	36.1	6.98	LT
Excluded 0	17	13Aug2019 12:00 AM	359	7.01	35.9	7.04	36.3	6.95	36.3	6.97	MB
Hidden 0	18	13Aug20194:00 AM	35.6	6.99	35.7	6.99	36	6.99	36	7.06	LT
Labeled 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

▼ Practice 2	∢						
Source		Tank	Date	D1	D2	D3	Initials
	1	1	10Aug20197:00 AM	238127.7641	377828.508	196823.6007	LT
	2	1	10Aug2019 7:00 PM	289276.9745	317880.357	335965.6909	MB
	3	1	11Aug2019 7:00 AM	332327.579	321366.7393	355721.5192	DO
Columns (6/0)	4	1	11Aug2019 7:00 PM	515332.4079	395323.3088	374406.4314	DM
م	5	1	12Aug20197:00 AM	683111.5694	490968.5544	610545.2195	MB
📕 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	9	1	14Aug20197:00 AM	953643.4638	965867.4602	1191388.682	MB
lnitials	10	1	14Aug2019 7:00 PM	1172407.229	1075174.988	1419080.623	LT
	11	1	15Aug20197:00 AM	1210872.948	1496909.216	1309052.784	LT
	12	1	15Aug2019 7:00 PM	1959826.493	1657192.124	1830677.836	DO
	13	1	16Aug20197:00 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	18Aug20197:00 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	19	1	19Aug20197:00 AM	5783728.856	5083131.51	5134539.639	DO
Labeled U	20	1	19Aug2019 7:00 PM	6395296.13	8287460.45	7009250,475	LT

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

▼Average Monthly ▷	۹ 🔪 💌					
Source		State	City	Year	Month	Тетр
	1	Texas	Houston	2020	Jan	57.8
	2	Texas	Houston	2020	Feb	56.9
	3	Texas	Houston	2020	Mar	71
Columns (5/0)	4	Texas	Houston	2020	Apr	70.8
Q	5	Texas	Houston	2020	May	78
state	6	Texas	Houston	2020	Jun	82.4
L City	7	Texas	Houston	2020	Jul	86.6
📕 Year	8	Texas	Houston	2020	Aug	86.6
📕 Month	9	Texas	Houston	2020	Sep	81
⊿ Temp	10	Texas	Houston	2020	Oct	71.7
	11	Texas	Houston	2020	Nov	66
	12	Texas	Houston	2020	Dec	55.4
	13	Texas	Houston	2021	Jan	55.2
	14	Texas	Houston	2021	Feb	51.8
	15	Texas	Houston	2021	Mar	64.4
Kows	16	Texas	Houston	2021	Apr	68.6
Selected 0	17	Texas	Houston	2021	May	76.3
Excluded 0	18	Texas	Houston	2021	Jun	83.6
Hidden 0	19	Texas	Houston	2021	Jul	84
Labeled 0	20	Texas	Houston	2021	Aug	86.1

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	Start:	10Aug2019 8:00 AM	Column 3	Column 4	By	Select sheets to open	Custom setting
1	Finish:	22Aug20198:00 AM			^	Tank Process Col	ntroi
2						Sel	ect all
3	Drug:	SAS962				L	
4	Batch:	1417					
5							
6	Target Temperature:	35					
-		-			>		
s Shown: 82 dividual Work] Worksheet	/ 82 sheet Settings contains column head	ers Pre	view Pane R Update sett	efresh tings on any c	:hange		
is Shown: 82 , dividual Work Worksheet (1 - Colu 1 - Nur	/ 82 contains column head umn headers start on ro mber of rows with colu	ers 모 아 문 mn headers 문	view Pane R Update sett date now Show all ro	efresh tings on any c ws	hange		
is Shown: 82 , dividual Work Worksheet (1 - Colu 1 - Nur 2 - Dat	/ 82 sheet Settings contains column head umn headers start on ro mber of rows with colu a starts on row	ers Dw 문 mn headers 문	view Pane R Update sett date now Show all ro	efresh ——— tings on any c ws	hange		
s Shown: 82 , dividual Work Worksheet (1 - Colu 1 - Nur 2 - Dat 1 - Dat	/ 82 ssheet Settings contains column head umn headers start on ro mber of rows with colu a starts on row a starts on column	ers ow 문 mn headers 문	view Pane R Update sett date now Show all ro	lefresh tings on any c ws	hange		
s Shown: 82 , dividual Work Worksheet (1 - Colu 1 - Nur 2 - Data 1 - Data Concatenate	/ 82 contains column head umn headers start on ro mber of rows with colu a starts on row a starts on column worksheets and try to	ers pw mn headers match columns	view Pane R Update sett date now Show all ro	defresh tings on any c ws	hange		
s Shown: 82 , dividual Work Worksheet (1 - Colu 1 - Nur 2 - Dat 1 - Dat Concatenate Concatenate	/ 82 contains column head umn headers start on ro mber of rows with colu a starts on row a starts on column worksheets and try to uumn with worksheet r	ers pw mn headers match columns hame when concatenat	view Pane R Update sett date now Show all ro	efresh ——— tings on any c ws	hange		

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

Data Preview —						
	Start:	10Aug2019 8:00 AM	Column 3	Column 4	4 By	
7	Target pH:	7				\sim
8						
9	Date	T1	PH1	T2	PH2	
10	10Aug2019 8:00 AM	35.9	7.04	35.9	7.03	
11	10Aug2019 12:00 PM	36	6.98	36	7.03	
12	10Aug2019 4:00 PM	36.1	7	35.8	6.99	
	<	20.7	6.00	25.0	>	
Rows Shown: 82	/ 82					

g. Click the green plus button \bigoplus next to **Column headers start on row**.

- III	Date	T1	PH1	T2	PH2		Select sheets to open	Custom setting
1	10Aug2019 8:00 AM	35.9	7.04	35.9	7.03	\sim	Tank Process Contr	roi
2	10Aug2019 12:00 PM	36	6.98	36	7.03		Selec	tall
3	10Aug2019 4:00 PM	36.1	7	35.8	6.99		L	
4	10Aug2019 8:00 PM	35.7	6.99	35.9	7.04			
5	11Aug2019 12:00 AM	35.9	7	35.8	6.92			
6	11Aug2019 4:00 AM	36.3	6.97	36.1	7.05			
-	<pre>//</pre>	2.00			C 05	3		
s Shown: 73 dividual Work Worksheet	/ 73 csheet Settings contains column headers	;	Previev	v Pane Refre date setting	esh js on any char	nge		
is Shown: 73 Jividual Work Worksheet	/ 73 csheet Settings contains column headers umn headers start on row mber of rows with column	s 1 🔂 n headers 占	Preview Updat	v Pane Refre date setting e now ow all rows	esh Js on any chai	nge		
ividual Work Worksheet Worksheet Col Nur 1 Dat	/ 73 csheet Settings contains column headers umn headers start on row mber of rows with column a starts on row a starts on column	r 1 🔂 n headers 占	Preview Up Updat	v Pane Refre date setting e now ow all rows	esh Is on any chai	nge		
s Shown: 73 dividual Work Worksheet 10 - Col 1 - Nur 11 - Dat 1 - Dat Concatenate	/ 73 csheet Settings contains column headers umn headers start on row mber of rows with column a starts on row a starts on column worksheets and try to ma	n headers e	Preview Updat	v Pane Refre date setting e now ow all rows	esh ıs on any chai	nge		
Is Shown: 73 dividual Work Worksheet 10 Colu 1 Nuu 11 Dat 1 Dat Concatenate	/ 73 contains column headers umn headers start on row mber of rows with column a starts on row a starts on column worksheets and try to ma plumn with worksheet name	n headers each atch column me when co	Preview Updat Sho	v Pane Refra date setting e now ow all rows	esh Is on any chai	nge		

h. Click Import.

i. Widen the Date column.

▼ Tank Process Co ▷	۹ 🔍 💌	
Source		Date
	1	10Aug2019 8:00 AM
	2	10Aug2019 12:00 PM
Columns (10/0)	3	10Aug2019 4:00 PM
۹	4	10Aug2019 8:00 PM
📕 Date	5	11Aug2019 12:00 AM
▲ T1	6	11Aug2019 4:00 AM
	7	11Aug2019 8:00 AM
PH2	8	11Aug2019 12:00 PM
🖌 T3	9	11Aug2019 4:00 PM
🚄 РНЗ	10	11Aug2019 8:00 PM
▲ T4	11	12Aug2019 12:00 AM
/ PH4	12	12Aug20194:00 AM
Initials	13	12Aug2019 8:00 AM

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.

C'Date' in table 'Tank Process Control'	OK
Column Name Date	Cancel
Lock	Apply
Data Type Character 🗸	Help
Modeling Type Nominal V	
Column Properties 💌	

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



n. Click OK.

Tank Process Co											
Source	1. 👎	Date	T1	PH1	T2	PH2	Т3	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
۹	4	10Aug2019 8:00 PM	35.7	6.99	35.9	7.04	36.2	7.02	36.1	6.96	DM
🖌 Date	5	11Aug2019 12:00 AM	35.9	7	35.8	6.92	36.3	7.01	36.1	7.02	DM
📕 T1	6	11Aug20194:00 AM	36.3	6.97	36.1	7.05	35.9	7.07	36.4	7.02	LT
A PH1	7	11Aug2019 8:00 AM	360	7.1	35.7	6.95	36.1	7.03	36	6.95	MB
▲ T2	8	11Aug2019 12:00 PM	35.9	6.96	35.5	7	36	6.97	36.2	7.02	LT
A T3	9	11Aug2019 4:00 PM	35.7	7.05	36.2	6.99	36.2	6.92	35.8	6.99	DO
PH3	10	11Aug2019 8:00 PM	36.2	6.97	36.1	7	35.9	7.04	36.2	7.03	MB
📕 T4	11	12Aug2019 12:00 AM	36.1	7	36.2	7.07	35.6	700	35.7	7.02	MB
📕 PH4	12	12Aug2019 4:00 AM	36.1	6.97	36.1	7.05	36.2	6.94	35.9	7.05	DO
📕 Initials	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 	15	12Aug2019 4:00 PM	36	7.01	35.8	7.02	35.9	6.99	35.8	7.06	DO
All rows 73	16	12Aug2019 8:00 PM	36.2	6.98	35.9	6.98	36	7.03	36.1	6.98	LT
Excluded 0	17	13Aug2019 12:00 AM	3 5 9	7.01	35.9	7.04	36.3	6.95	36.3	6.97	MB
Hidden 0	18	13Aug2019 4:00 AM	35.6	6.99	35.7	6.99	36	6.99	36	7.06	LT
Labeled 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.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	Start:	10Aug2019 7:00 AM	Column 3	Column 4		Custom Select sheets to open setting
1	Finish:	22Aug20197:00 AM			^	Tank 2 Growth Control
2						Tank 3 Growth Control
3	Drug:	SAS962				Tank 4 Growth Control
4	Batch:	1417				Select all
5						Deleter un
6	Date	D1	D2	D3	lr 🖉	
-	200 000 000		277020500	405000 5007		
ndividual Work	sheet Settings — contains column h	eaders Pr	eview Pane Re 🛙 Update setti	fresh	nge	
Vorksheet	sheet Settings — contains column h umn headers start (mber of rows with (eaders v on row of the seders v column headers of the seders of the sederation of	eview Pane Re 7] Update setti pdate now] Show all rov	fresh ——— ngs on any cha /s	nge	
Worksheet	isheet Settings — contains column h umn headers start o mber of rows with o a starts on row a starts on column	eaders	eview Pane Re] Update setti pdate now] Show all rov	fresh ngs on any cha /s	nge	
Morksheet of the second	sheet Settings contains column h umn headers start o mber of rows with o a starts on row a starts on column	eaders	eview Pane Re] Update setti pdate now] Show all rov	fresh ngs on any cha /s	nge	
Vorksheet Worksheet Colu Nur 2 Dat Dat	sheet Settings contains column h umn headers start o mber of rows with o a starts on row a starts on column worksheets and to	eaders on row column headers to match columns	eview Pane Re] Update setti pdate now] Show all rov	fresh ngs on any cha vs	nge	
Vorksheet	isheet Settings contains column h umn headers start o mber of rows with o a starts on row a starts on column worksheets and try lumn with worksh	eaders on row column headers v to match columns eet name when concatena	eview Pane Re ⁷ Update setti pdate now ³ Show all rov ting	fresh ngs on any cha /s	nge	
Mividual Work Worksheet 1 2 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	isheet Settings contains column h umn headers start o mber of rows with o a starts on row a starts on column worksheets and try ulumn with worksh orksheets	eaders on row column headers b to match columns eet name when concatena	eview Pane Re Dupdate setti pdate now Show all rov ting	fresh ngs on any cha /s	nge	

- **f.** In **Worksheets**, click each sheet in turn, then scroll in the Data Preview panel to see they have the same format.
- g. Click Select All.
- h. In the Data Preview panel, select row 6.

F	Start:	10Aug2019 7:00 AM	Column 3	Column 4	
1	Finish:	22Aug20197:00 AM			
2					
3	Drug:	SAS962			
4	Batch:	1417			
5					
6	Date	D1	D2	D3	lr
-	<		277020.500	405000 5007	>

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



k. Click Import.

▼ Practice 2	۷ 🗸 💌						
Source		Source Table	Date	D1	D2	D3	Initials
	1	Tank 1 Growth C	10Aug20197:00	238127.7641	377828.508	196823.6007	LT
	2	Tank 1 Growth C	10Aug20197:00	289276.9745	317880.357	335965.6909	MB
	3	Tank 1 Growth C	11Aug20197:00	332327.579	321366.7393	355721.5192	DO
Columns (6/0)	4	Tank 1 Growth C	11Aug20197:00	515332.4079	395323.3088	374406.4314	DM
م	5	Tank 1 Growth C	12Aug20197:00	683111.5694	490968.5544	610545.2195	MB
📕 Source Table	6	Tank 1 Growth C	12Aug20197:00	693568.7078	551841.9702	518414.1774	DM
📕 Date	7	Tank 1 Growth C	13Aug20197:00	596197.3245	678797,4192	630260.7427	DM
▲ D1	8	Tank 1 Growth C	13Aug20197:00	832199.1278	880758.0787	866918.0848	DO
	9	Tank 1 Growth C	14Aug20197:00	953643.4638	965867.4602	1191388.682	MB
lnitials	10	Tank 1 Growth C	14Aug20197:00	1172407.229	1075174.988	1419080.623	LT
-	11	Tank 1 Growth C	15Aug20197:00	1210872.948	1496909.216	1309052.784	LT
	12	Tank 1 Growth C	15Aug20197:00	1959826.493	1657192.124	1830677.836	DO
	13	Tank 1 Growth C	16Aug20197:00	1901514.601	1527721.35	1885324.787	MB
	14	Tank 1 Growth C	16Aug20197:00	2555451.295	3163936.914	2266192.428	DO
Rows	15	Tank 1 Growth C	17Aug20197:00	2355619.25	2885527.383	2974071.217	DO
All rows 100	16	Tank 1 Growth C	17Aug20197:00	3380470.015	4136865.145	2874023.251	DM
All rows 100 Selected 0	17	Tank 1 Growth C	18Aug20197:00	3791315.485	3891052.966	3025639.542	DM
Excluded 0	18	Tank 1 Growth C	18Aug20197:00	4256703.594	3752615.288	5131824.293	DM
Hidden 0	19	Tank 1 Growth C	19Aug20197:00	5783728.856	5083131.51	5134539.639	DO
Labeleu U	20	Tank 1 Growth C	19Aug20197:00	6395296.13	8287460.45	7009250,475	LT

- I. Change the name of the Source Table column to Tank.
- m. Right-click the top of the Tank column and select Recode.
- n. Change the values to 1, 2, 3, 4.
- o. Select New Column > In Place.
- p. Click Recode.
- q. Change the data type of the **Date** column to **Numeric**.
- r. Change the modeling type of the **Date** column to **Continuous**.
- s. Change the format of the Date column to ddMonyyyy h:m.

■ Practice 2							
Source		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	11Aug2019 7:00 AM	332327.579	321366.7393	355721.5192	DO
Columns (6/0)	4	1	11Aug2019 7:00 PM	515332.4079	395323.3088	374406.4314	DM
۹	5	1	12Aug2019 7:00 AM	683111.5694	490968.5544	610545.2195	MB
🔥 Tank	6	1	12Aug2019 7:00 PM	693568.7078	551841.9702	518414.1774	DM
🚄 Date	7	1	13Aug2019 7:00 AM	596197.3245	678797.4192	630260.7427	DM
▲ D1	8	1	13Aug2019 7:00 PM	832199.1278	880758.0787	866918.0848	DO
	9	1	14Aug2019 7:00 AM	953643.4638	965867.4602	1191388.682	MB
lnitials	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	17Aug2019 7:00 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	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.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	Column 1	Column 2	2020	2020 2	2020 3	2020 4	2	Select sheets to open se	ustom etting
1	State	City	Jan	Feb	Mar	Apr	\sim	Average Monthly Temperature	
2	Texas	Houston	57.8	56.9	71	70.8		Select all	
3	Texas	Austin	54.8	52.5	67.5	67.2			
4	Michigan	Ann Arbor	30.4	27.8	38.6	42.9			
5	North Carolina	Charlotte	46.9	48.9	58.6	60.5			
6	North Carolina	Cary	45.8	46.4	55.2	57			
	4					>	- · ·		
ividual Wor	rksheet Settings –			Preview F	⁰ ane Refresh	1			
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f. Change the **Number of rows with column headers** to 2. Note that **Data starts on row** automatically changes to 3.

Individual Worksheet Settings
 Worksheet contains column headers
Column headers start on row
2 Number of rows with column headers
3 🗘 Data starts on row
1 Data starts on column

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

							worksneets	
The second secon	State	City	Column	Column 2	Data		Select sheets to open	Custom setting
1	Texas	Houston	2020	Jan	57.8	^	Average Monthly Temperati	ure
2	Texas	Houston	2020	Feb	56.9		Select all	
3	Texas	Houston	2020	Mar	71		l	
4	Texas	Houston	2020	Apr	70.8			
5	Texas	Houston	2020	May	78			
6	Texas	Houston	2020	Jun	82.4			
7	т	11	2020	11	066	~		
dividual Works	heet Setting	s		Dreview Dane R				
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- 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**.

▼ Average Monthly ▷	۹ 🔪 💌					
Source		State	City	Year	Month	Temp
	1	Texas	Houston	2020	Jan	57.8
	2	Texas	Houston	2020	Feb	56.9
	3	Texas	Houston	2020	Mar	71
Columns (5/0)	4	Texas	Houston	2020	Apr	70.8
۹	5	Texas	Houston	2020	May	78
State	6	Texas	Houston	2020	Jun	82.4
L City	7	Texas	Houston	2020	Jul	86.6
📕 Year	8	Texas	Houston	2020	Aug	86.6
Month	9	Texas	Houston	2020	Sep	81
🚄 Temp	10	Texas	Houston	2020	Oct	71.7
	11	Texas	Houston	2020	Nov	66
	12	Texas	Houston	2020	Dec	55.4
	13	Texas	Houston	2021	Jan	55.2
	14	Texas	Houston	2021	Feb	51.8
Paura	15	Texas	Houston	2021	Mar	64.4
All rows 160	16	Texas	Houston	2021	Apr	68.6
Selected 0	17	Texas	Houston	2021	May	76.3
Excluded 0	18	Texas	Houston	2021	Jun	83.6
Hidden 0	19	Texas	Houston	2021	Jul	84
Labeled 0	20	Texas	Houston	2021	Aug	86.1

End of Solutions