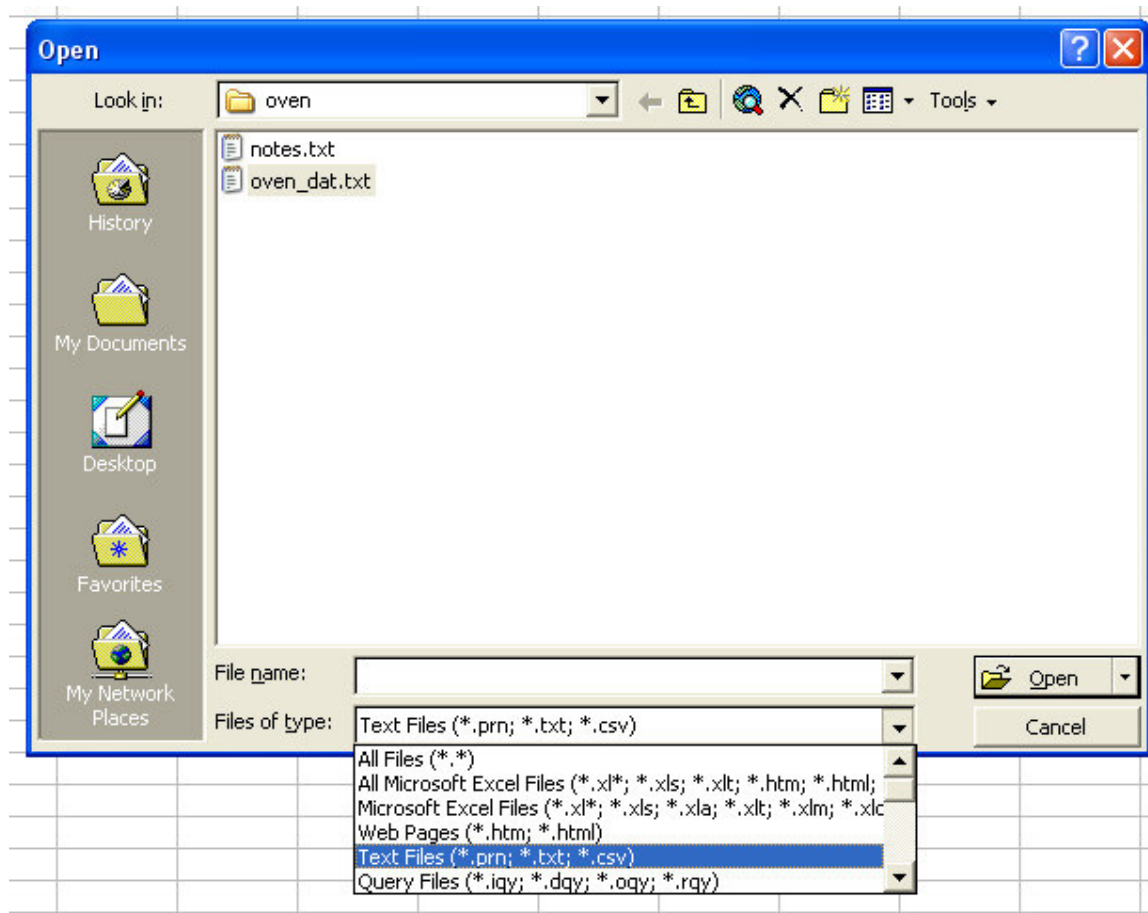


Instructions for importing and graphing Thermok data with Microsoft Excel

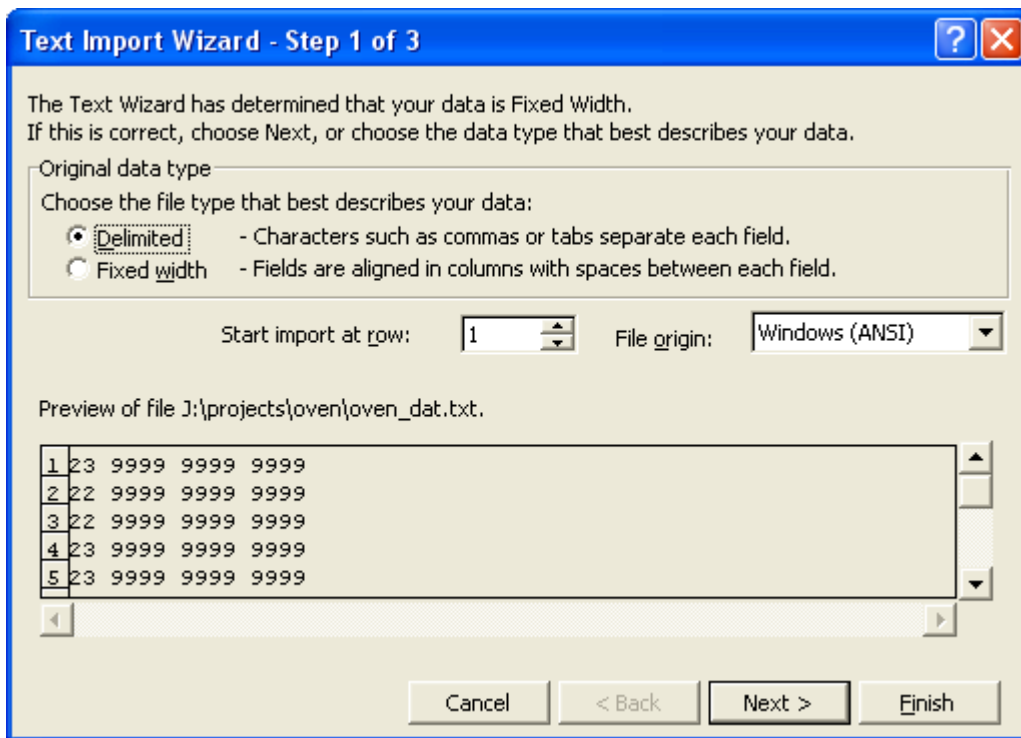
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Start Microsoft Excel and open a file. You will need to select “Files of type:” to be “Text Files” or “All Files.” Once you see you file click on “Open.”



You will need to select “Delimited” for the original data type.



The Text Wizard has determined that your data is Fixed Width.
If this is correct, choose Next, or choose the data type that best describes your data.

Original data type

Choose the file type that best describes your data:

☒ Delimited - Characters such as commas or tabs separate each field.
☐ Fixed width - Fields are aligned in columns with spaces between each field.

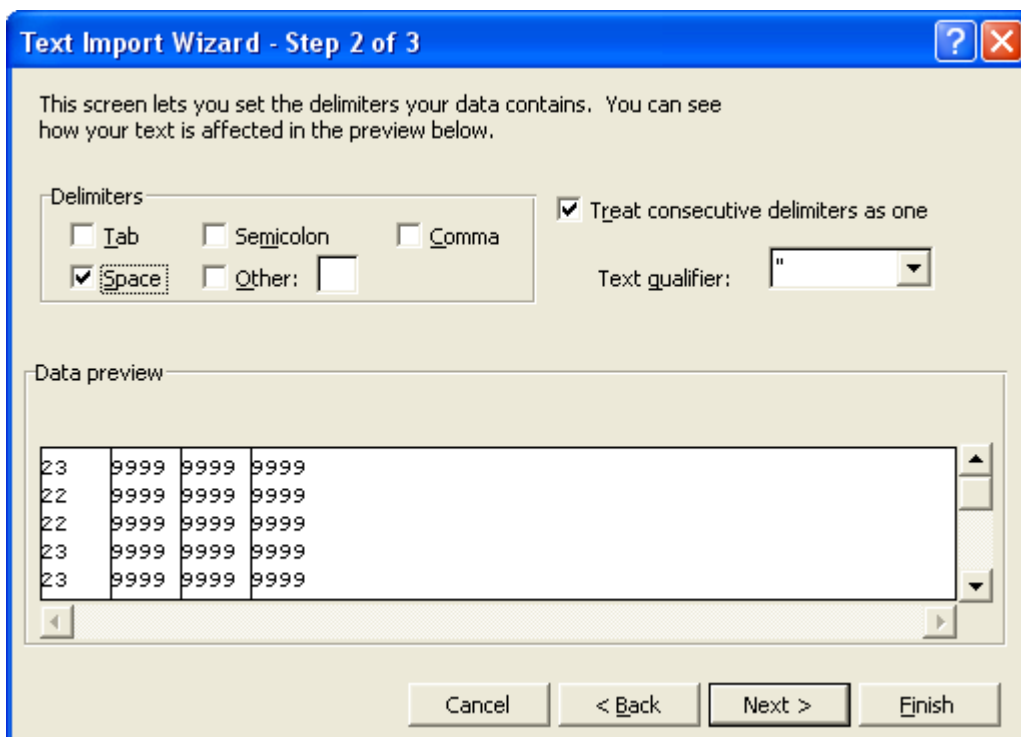
Start import at row: File origin:

Preview of file J:\projects\oven\oven_dat.txt.

1	23	9999	9999	9999
2	22	9999	9999	9999
3	22	9999	9999	9999
4	23	9999	9999	9999
5	23	9999	9999	9999

Buttons: Cancel, < Back, Next >, Finish

For the delimiter you will need to select “Space.” Then you click “Finish.”



This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters

☐ Tab ☐ Semicolon ☐ Comma
☒ Space ☐ Other:

☒ Treat consecutive delimiters as one

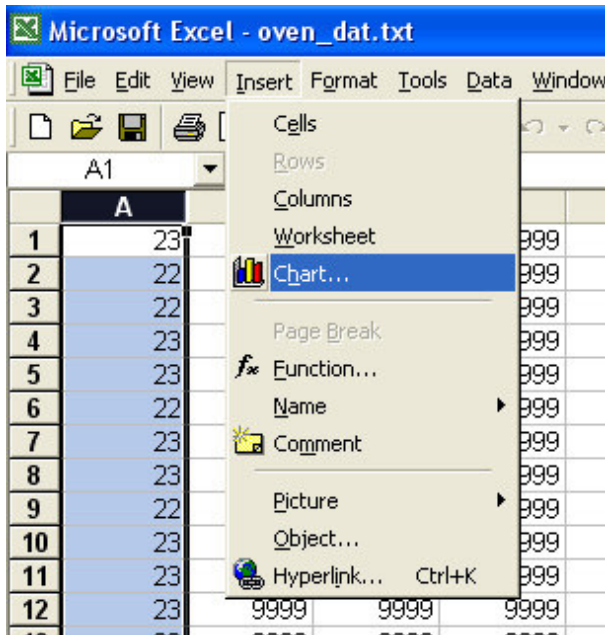
Text qualifier:

Data preview

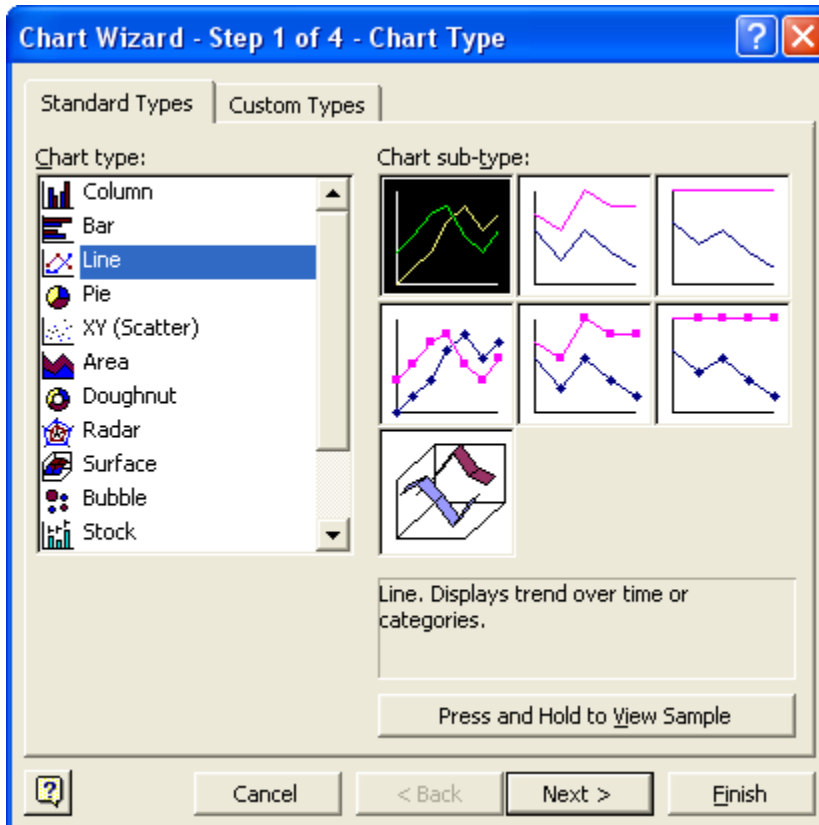
23	9999	9999	9999
22	9999	9999	9999
22	9999	9999	9999
23	9999	9999	9999
23	9999	9999	9999

Buttons: Cancel, < Back, Next >, Finish

You will now be presented with a spreadsheet with your data. You can graph it by selecting the “A” column and then inserting a “Chart.”



You should use a “Line Chart.”



In this step you can set your chart title, x-axis labels, and y-axis labels.

Chart Wizard - Step 3 of 4 - Chart Options

Titles | Axes | Gridlines | Legend | Data Labels | Data Table

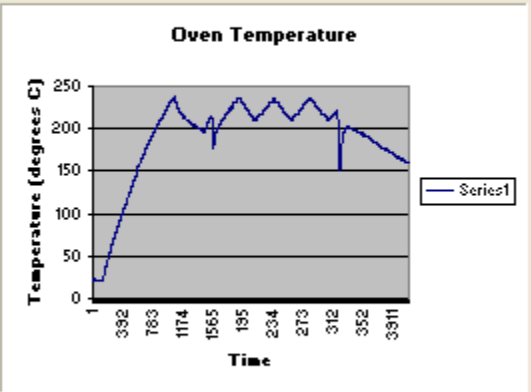
Chart title:
Oven Temperature

Category (X) axis:
Time

Value (Y) axis:
Temperature (degrees C)

Second category (X) axis:

Second value (Y) axis:



Cancel < Back Next > Finish

You may want to turn off the x-axis automatic labeling.

Chart Wizard - Step 3 of 4 - Chart Options

Titles | Axes | Gridlines | Legend | Data Labels | Data Table

Primary axis

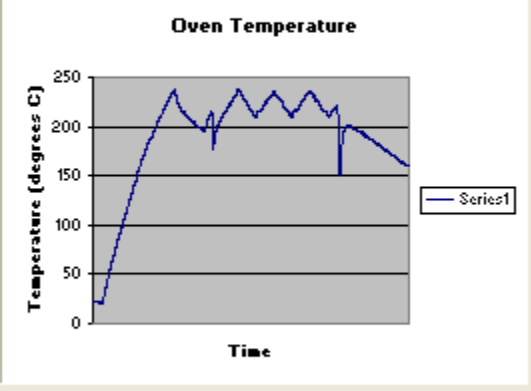
☐ Category (X) axis

☒ Automatic

☐ Category

☐ Time-scale

☒ Value (Y) axis



Cancel < Back Next > Finish

The result is a line graph of your temperature data over time.

