



LEAN IRELAND

Shorter Simpler Safer

*Galway Technology Centre
Mervue Business Park
Wellpark Road
Galway, H91 D932
Ireland*

*Telephone: +353-91-870 708
Mobile: +353-87-2837810
Email: info@LeanIreland.ie*

Registered in Ireland: 347726

Data representation in Excel

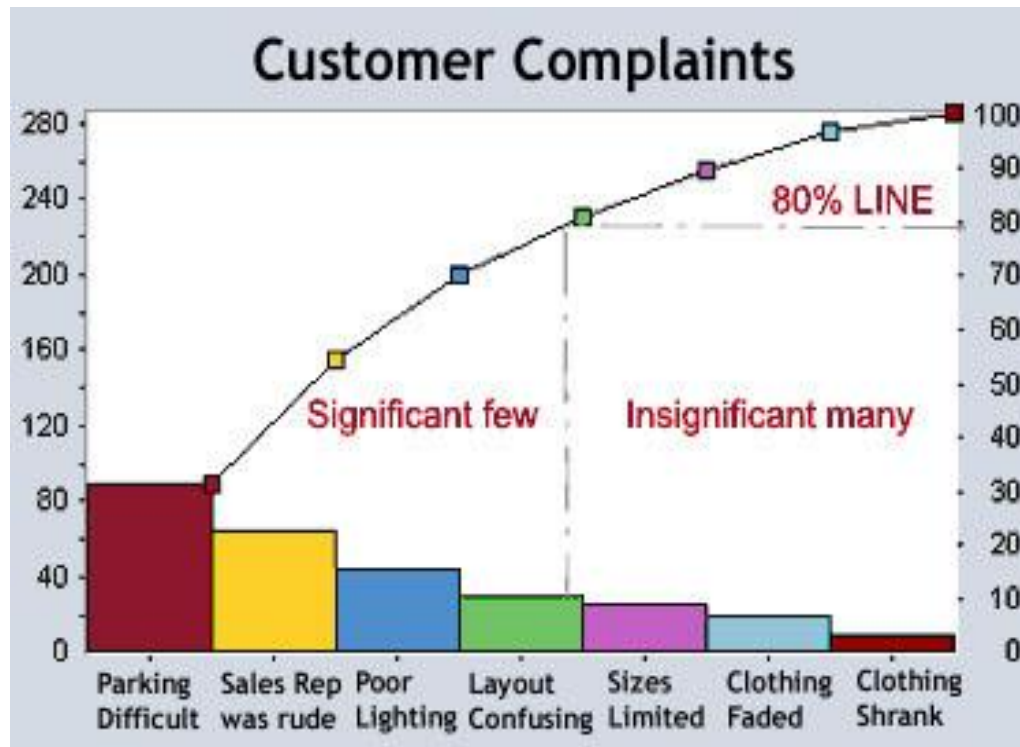
The Analyze Data function

Author: Bernie Rushe

Date: 10th March 2022

Pareto chart

- ◆ To focus efforts on the problems that offer the greatest potential for improvement



Vilfredo Pareto
1848-1923

Pareto Chart

- ◆ Helps a team to focus on those causes that will have the greatest impact if solved
- ◆ Based on the proven Pareto principle: 20% of the sources cause 80% of the problems
- ◆ Displays the relative importance of problems in simple, quickly interpreted format
- ◆ Progress is measured in a highly visible format that provides incentive to push on for more improvement.

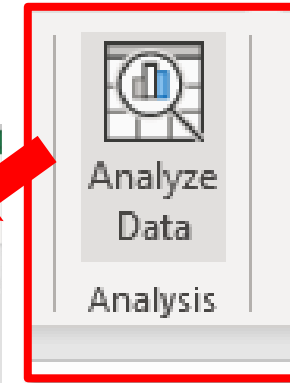
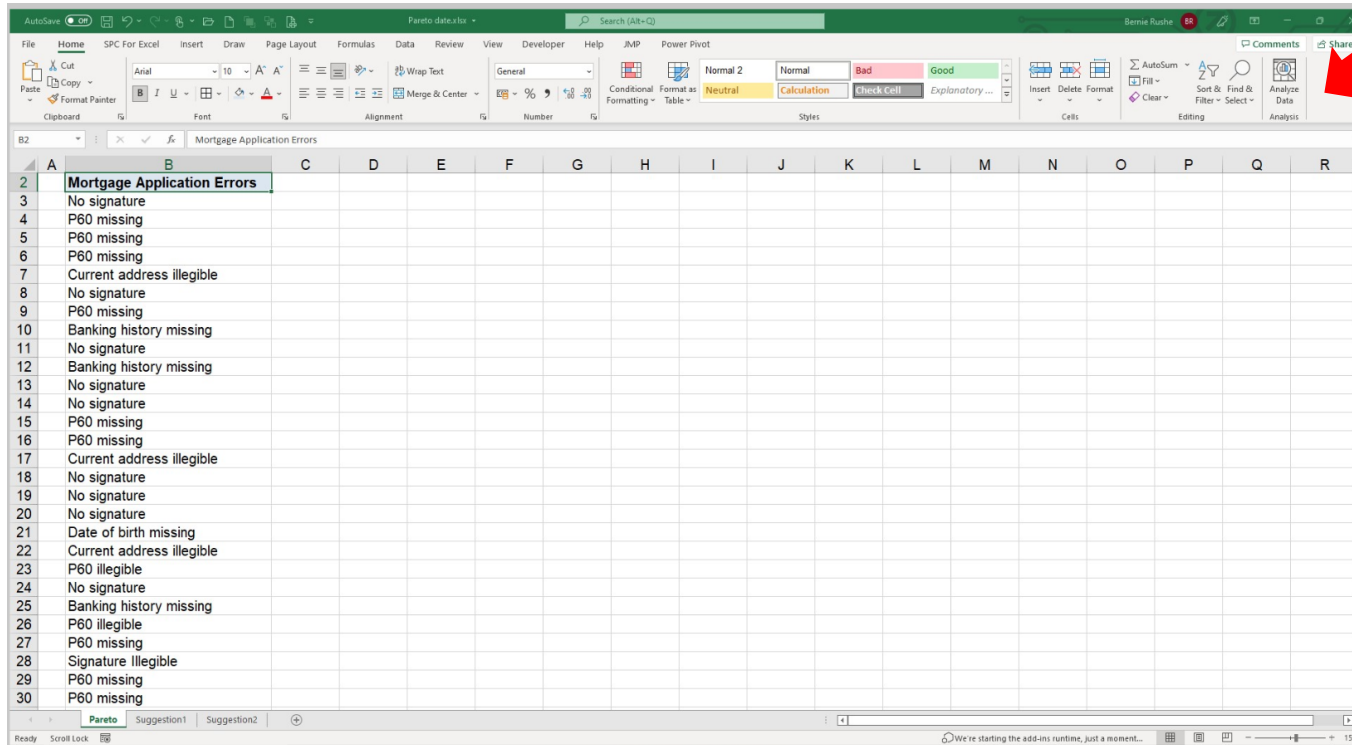
Pareto Chart in Excel 1

Mortgage Application Errors	
No signature	
P60 missing	
P60 missing	
P60 missing	
Current address illegible	
No signature	
P60 missing	
Banking history missing	
No signature	
Banking history missing	
No signature	
No signature	
P60 missing	
P60 missing	

Take any list of reason codes
e.g.

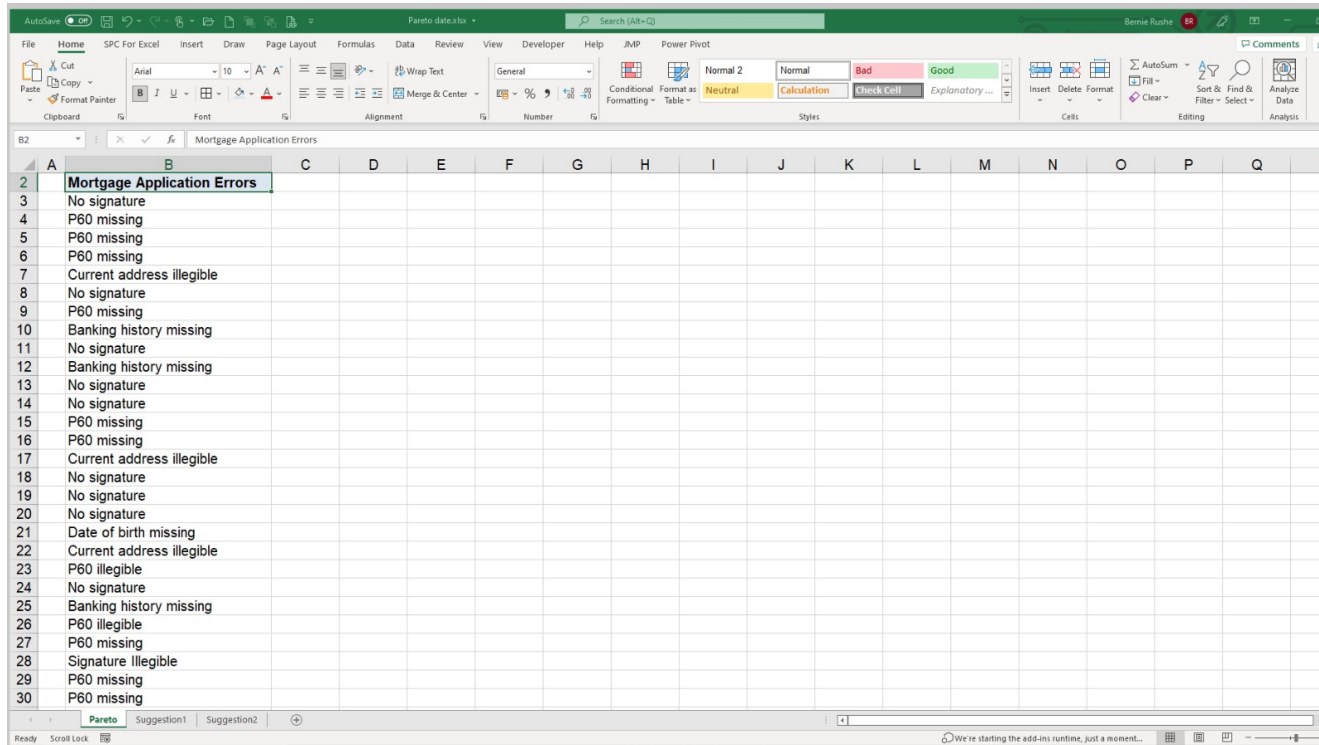
- ◆ Item returns from customers
- ◆ Batch reject failure codes
- ◆ Failing the driving test

Pareto Chart in Excel 2

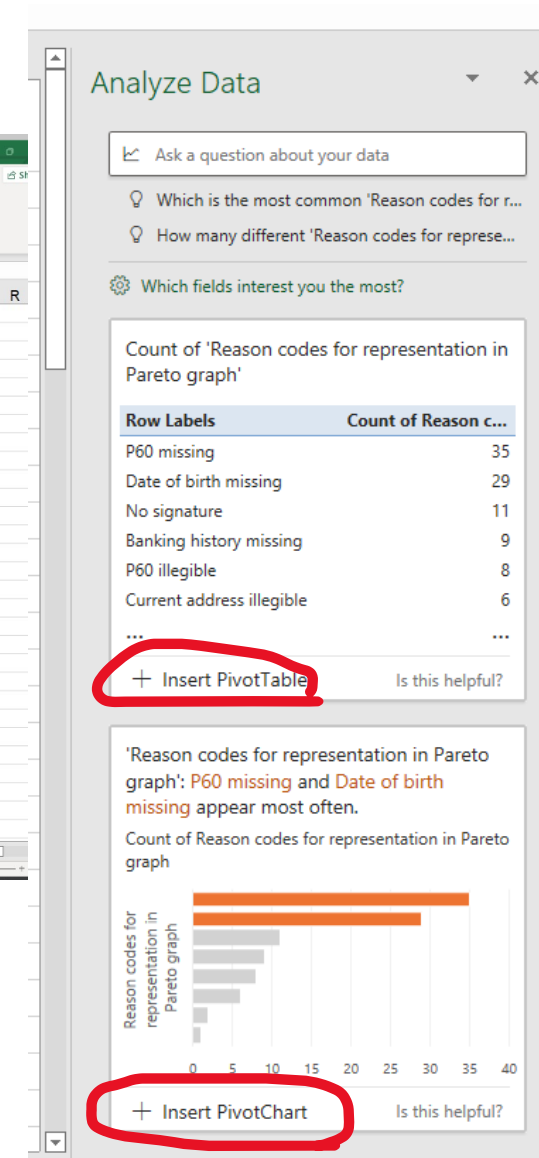


` Select the 'Analyze Data' icon at the top right of the Excel screen

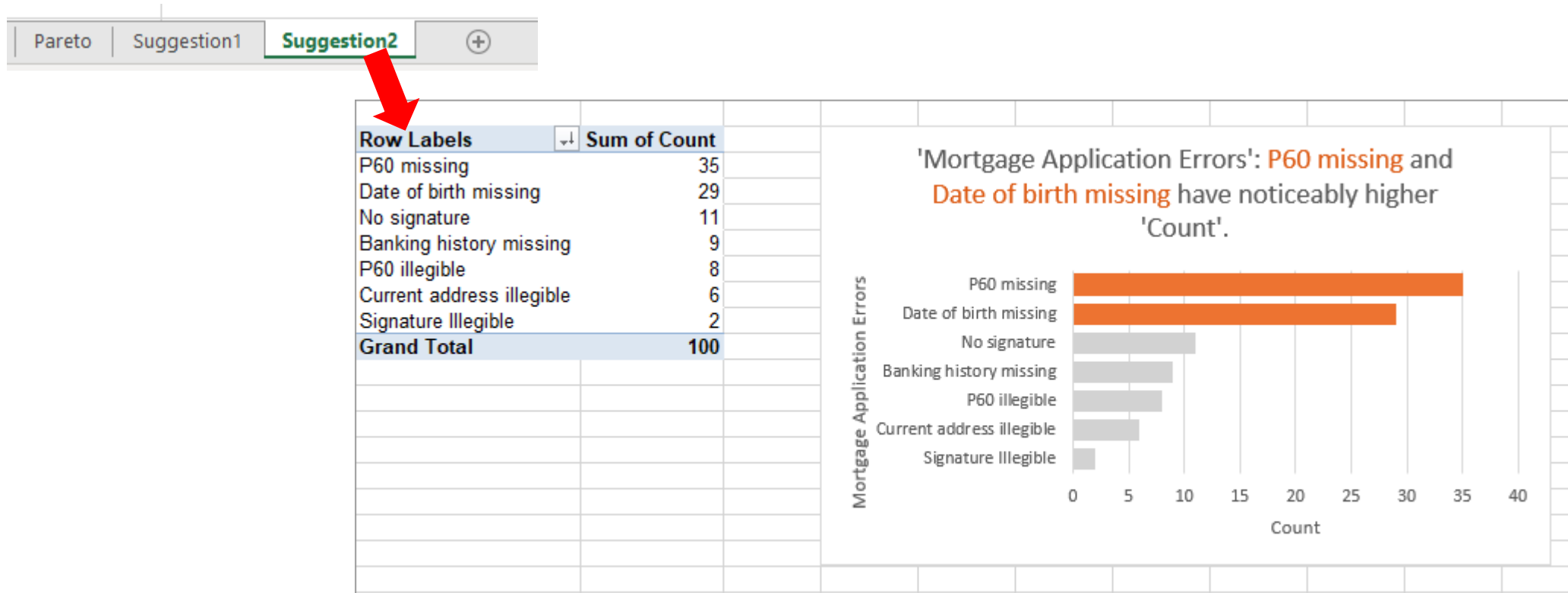
Pareto Chart in Excel 3



The Analyze Data panel allows selection of a number of graphs & table options



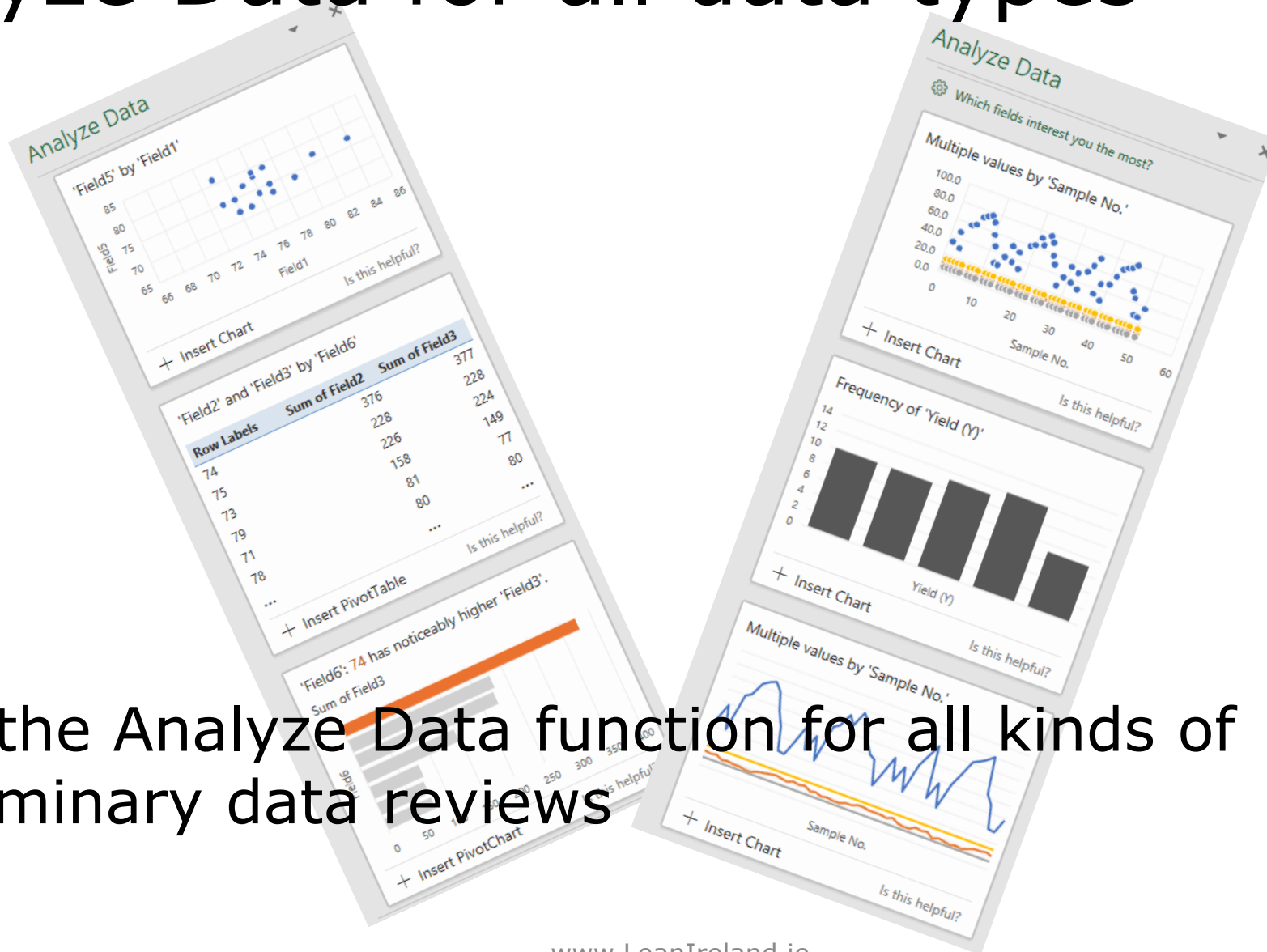
Pareto Chart in Excel 4



When the '+' sign is selected, tables & graphs are auto-populated into additional tabs in the Excel file

Analyze Data for all data types

- ◆ Use the Analyze Data function for all kinds of preliminary data reviews



Conclusions

- ❖ A picture paints a thousand words
- ❖ Always try to graph the data to detect patterns, variation and relationships and relative significance of values
- ❖ Excel Analyze Data is a useful preliminary 'quick look' at the data before delving into a deeper analysis
- ❖ See also Microsoft Excel Analyse Data video here <https://tinyurl.com/ympvc7e9>



Call us today, we are here to help.



+353 91 870 708



info@LeanIreland.ie



www.LeanIreland.ie

*Lean Ireland, Galway Technology Centre, Mervue Business Park
Wellpark Road, Galway, H91 D932, Ireland*