



# DATA EXPLORER

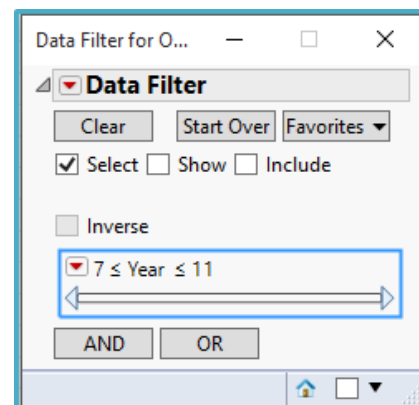
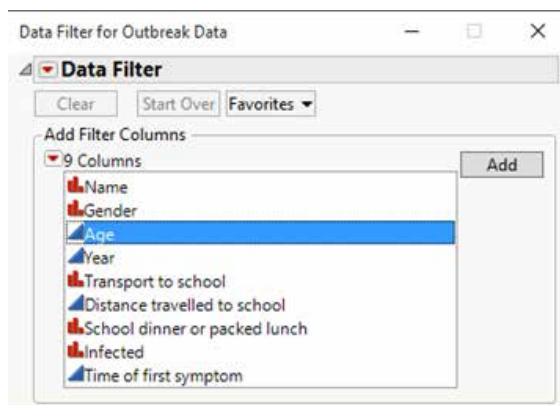
How to...

## EXPLORE DATA

**TASK – TO FILTER THE DATA TO SEE AND EXPLORE YEAR 8 IN DETAIL.**

Follow these simple steps on JMP:

- 1) Rows → Data Filter
- 2) Select Year and click Add
- 3) Slide the data filter slider to select Year 8 only (slide from  $8 \leq \text{Year} \leq 8.9$ )
- 4) This selects only this data to use in the graph



- 1) Now select a graph using Graph → Graph Builder
- 2) Drag Infected to the X box
- 3) Drag School dinner or packed lunch to box Y
- 4) All the data points will appear but Year 8 will be highlighted in blue for boys and pink for girls

### Quick questions

- a) Of Year 8 students, how many ate a packed lunch and became ill?
- b) Are you more likely to become ill after eating at the canteen or your packed lunch?



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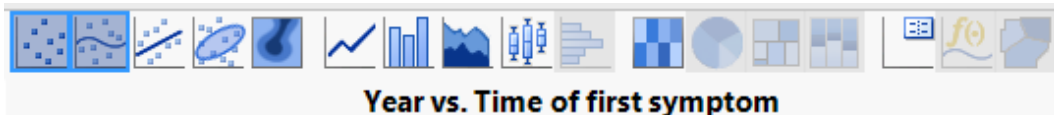
How to...

## EXPLORE DATA

### TASK – TO EXPLORE THE TIME YEAR 8 FELL ILL.

Follow these simple steps on JMP:

- 1) Now let's look at when students fell ill throughout the day
- 2) Select Graph → Graph Builder
- 3) Drag Time of first symptom to the X box
- 4) Drag Year to box Y
- 5) Select contour graph type 5th graph type along the top
- 6) Now select the first two boxes together from the options along the top



### Quick questions

- a) Do Year 8 fall ill in the morning or afternoon?
- b) What is the most common time for Year 8 showing symptoms?
- c) Could there be a reason why Year 8 developed symptoms later?